

The Th(n,x γ) Reaction Cross Section for Incident Neutron Energies Between 0.3 and 20.0 MeV

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OAK RIDGE NATIONAL LABORATORY OPERATED BY UNION CARBIDE CORPORATION · FOR THE DEPARTMENT OF ENERGY

Printed in the United States of America. Available from National Technical Information Service U.S. Department of Commerce 5285 Port Royal Road, Springfield, Virginia 22161 Price: Printed Copy \$5.25; Microfiche \$3.00

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ORNL/TM-6758 ENDF-282 Distribution Category UC-79d

Contract No. W-7405-eng-26

Engineering Physics Division

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Date Published - August 1979

OAK RIDGE NATIONAL LABORATORY Oak Ridge, Tennessee 37830 operated by UNION CARBIDE CORPORATION for the DEPARTMENT OF ENERGY

ABSTRACT

Differential cross sections for the neutron-induced gamma-ray production from thorium have been measured for incident neutron energies between 0.3 and 20.0 MeV. The Oak Ridge Electron Linear Accelerator (ORELA) was used to provide the neutrons and a NaI spectrometer to detect the gamma rays at 125°. The data presented are the double differential cross section, $d^2\sigma/d\Omega dE$, for gamma-ray energies between 0.3 and 10.6 MeV for coarse intervals in incident neutron energy. The integrated yield of gamma rays of energies greater than 300 keV with higher resolution in the neutron energy is also presented.

*

INTRODUCTION

As part of a continuing program¹ for determining numerical values of gamma-ray production cross sections for neutron-induced reactions, we have measured the absolute differential cross sections for gamma rays produced by neutron interactions with thorium. The resulting data are presented in this report in tabular and graphical form.

Two methods of data analysis were employed. The first method gives the detailed gamma-ray spectra for a series of relatively coarse intervals in incident neutron energy while the second method uses integral quantities to illustrate the detailed behavior of the cross sections as a function of the incident neutron energy. The second approach is used to facilitate comparison of the experimental and evaluated data in the region of the thresholds for the (n,2n) and (n,3n) reactions.

EXPERIMENTAL PROCEDURE

Details of the experimental procedure are given elsewhere² and only a brief description will be given here. Neutrons were produced by photonuclear processes due to bremsstrahlung from the impact on a tantalum target of electrons from the Oak Ridge Electron Linear Accelerator (ORELA). The present experiment employed an electron beam energy of 135 MeV with a repetition rate of 1000 pulses per second and a pulse width of 35 ns. The total electron beam power was 30 kW.

Neutrons produced at the linac target traversed a 47.35-m flight path and were incident, after collimation to a beam diameter of 13 cm, on a thin slab of thorium oriented 45° with respect to the incident beam.

The slab was 30 cm wide by 30 cm high with a thickness of 0.004967 atoms/barn. Gamma rays originating in the sample were detected by a heavily shielded 12.5-cm by 12.5-cm NaI detector at 125° with respect to the incident neutron beam. For each event in the detector, data were recorded in a two-parameter array containing gamma-ray pulse height as a function of time-of-flight for the incident neutron. Neutron associated backgrounds were measured as described in Ref. 2 using a lead shadow shield between the sample and NaI detector. Backgrounds due to the natural and/or induced activity of the thorium sample were determined by recording a pulse height distribution during a 200 μ sec interval midway between linac pulses.

The neutron flux at the sample position was determined in a separate measurement using calibrated thick organic scintillators. During the course of the gamma-ray measurements the flux was monitored using a small plastic scintillator in the edge of the neutron beam 30 m from the source.

DATA REDUCTION

Two methods of data reduction were employed. In the first method, the pulse-height spectra were integrated over intervals of neutron timeof-flight to form pulse-height spectra for specific incident neutron energy ranges. These intervals ranged in width from 0.5 MeV at energies below 5 MeV to 3 MeV in the range 14 to 20 MeV. The spectra so formed were then unfolded using the code FERD and measured response functions of the NaI detector. The results were the gamma-ray spectra defined by 176 points covering the gamma-ray energy range from 0.30 to 10.6 MeV.

The data were corrected for finite sample effects which include: 1) attenuation of the incident neutron flux in the sample, 2) neutron multiple scattering including neutrons from fission in the sample, and 3) gamma-ray self-absorption. These corrections were calculated using a Monte Carlo technique with the uncorrected data for the gamma-ray production cross sections. The neutron cross sections were generated from the evaluated data (ENDF/B-IV MAT 1296) using the AMPX code system.⁴ Photon cross sections were taken from the tables of Ref. 5.

A further correction was then applied to the data. The contribution to the measured cross section at $E_{\gamma} = 0.511$ MeV due to pair production in the sample was analytically removed. This was done by first calculating the pair production probability as a function of gamma-ray energy using a Monte Carlo technique. Implicit in the calculation are the assumptions of uniform gamma-ray production probability within the sample volume intercepted by the beam and the isotropy of emitted gamma rays. The total 0.511-MeV cross section within each neutron energy group was then calculated from the product of the observed gamma-ray cross section and the pair production probability. This cross section was then "smeared" with the detector resolution and subtracted from the original data. The magnitude of this correction ranged from on the order of 0.018 mb/sr for $E_n = 1.0-1.5$ MeV to 16 mb/sr for $E_n = 6-7$ MeV.

The resulting cross sections are presented in the first set of figures at the end of this report. Figure 1 is a three-dimensional representation of the data giving cross section versus gamma-ray and incident neutron energy. Figures 2-21 present the detailed gamma-ray spectra for each incident neutron energy interval.

The data described above provide detailed information about the secondary gamma-ray spectra, but because the unfolding technique requires good statistical accuracy the data must be binned over large neutron energy intervals. Therefore, a second type of data reduction, pulse-height weighting,^{6,7} was also used. This technique provided only integral information about the secondary gamma spectra (e.g., total yield and average photon energy), but because the demands on statistical accuracy are less it allowed better resolution in the incident neutron energy. In this work the pulse-height weighting analysis was applied to spectra formed by integration over time-of-flight intervals corresponding to $\Delta E_n = 0.1 \text{ MeV}$ at $E_n = 1 \text{ MeV}$ increasing to $\Delta E_n = 1.0 \text{ MeV}$ at $E_n = 20 \text{ MeV}$. The results of this analysis for the total yield and average secondary gamma-ray energy as a function of the incident neutron energy are presented in Figs. 22 and 23. A value of the lower cut-off in gamma-ray energy of 0.3 MeV was used.

The data shown in the figures are listed in the tables contained in the last section of this report. The values shown in the figures and presented in the tables do not include an uncertainty of 10% in overall normalization due mainly to the determination of the incident neutron flux.

ACKNOWLEDGMENTS

We wish to thank J. W. McConnell for help with the electronics, J. G. Craven for aid with the computers, and H. A. Todd and the ORELA staff for operation of the accelerator. W. E. Ford III helped greatly in preparing cross sections from the evaluated data files.

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Figure 2



Figure 3



Figure 4





Figure 6









Figure 9



Figure 10



Figure 11



Figure 12



Figure 13



Figure 14









Figure 17



Figure 18



Figure 19







Figure 21



(ross Section (b/sr)



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DIFFERENTIAL CROSS SECTIONS FOR GAMMA RAY PRODUCTION IN TH. THE PIRST SET OF NUMBERS IS THE DOUBLE DIFFERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GAMMA RAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GAMMA RAY EMERGY INTERVALS. THIS SECOND SET RESULTS FROM INTEGRATION OF THE DOUBLY DIFFERENTIAL DATA. THE UNCERTAINTIES ARE GIVEN IN THE SAME UNITS AS THE DATA AND DO NOT INCLUDE AN ESTI-MATED 10 PERCENT ERROR IN APSOLUTE NORMALIZATION.

INCIDENT NEUTRON ENERGY = 0.30 TO 0.50 MEV. ANGLE = 125 DEGREES.

PHOTON ENERGY (HEV)	X-SECTION (B/SR/MEV)	ERROR (B/SR/MEV)	PHOTON ENERGY (MEV)	X-SECTION (B/SR/MEV)	EBROR (B/SR/MEV)	PHCTON ENERGY (MEV)	X-SECTION (B/SR/MEV)	ERROR (B/SR/MEV)
3.0758-01	1-073E-02	7.194E-03	1.555E OC	1.600E-02	1.9832-03	4.560E 00	6. 134E-04	5.608E-04
3. 2258-01	8.535E-03	6.986E-03	1.5852 00	1.607E-02	2.003E-03	4.640E 00	3.654E-04	5.166E-04
3. 375E-01	8.2E3E-03	6.423E-03	1.615E 00	1.538E-02	1.93CE-03	4.720E 00	1.367E-04	4.633E-04
3.525E-01	8.6461-03	6.119E-03	1.645E 00	1.489E-02	1.856E-03	4.800E 00	-1.917E-05	-5.6928-04
3.675E-01	9.415E-03	5.675E+03	1.680E 00	1.523E-02	1.813E-03	4.880E 00	-1.2002-04	-5.116E-04
3. 82 5E-C1	9.982E-03	5.352E-03	1.720E 00	1.648E- C2	1.720E-03	4.960E 00	- 1. 827 E-04	-5.6242-04
3.9758-01	1.C48E-C2	4.951E-03	1.760E 00	1.728E-02	1.594E-03	5.040E 00	- 1. 50 1B-04	-5-643E-04
4. 1252-01	1.1012-02	4.695E+03	1.800E 00	1.7258~02	1.556E-03	5.120E 00	-4.6768-05	-5.450E-04
4.275E-01	9.16/E-03	4-6/51-03	1.8402.00	1.0035-02	1.5605-03	5.200E 00	1./048-05	4.6/65-04
4.425B-01	5.8/2E-03	5.0 182-03	1.8805 00	1.3035-02	1 60.02-03	5 3607 00	-2 5738-05	
4.0702-01	1 0268-02	5.3335-03	1 9607 00	1 5148-02	1 5501-03	5 8807 00	2.2108-05	5 1408-04
4.7232-01	1 2851-02	5 1558-03	2.0008.00	1.4718-02	1.5078-03	5-5208 00	-1.9338-05	-5.3662-04
5 0258-01	1.775 -02	4-640E-03	2.0408 00	1.347E-02	1.516E-03	5.600E 00	3.6458-05	5.0078-04
5.1758-01	2.513E-02	4.101E-03	2.080E 00	1.208E-02	1.570E-03	5.680E 00	1.584 E-04	5-075E-04
5.325E-01	3.059E-02	3.717E-03	2.120E 00	1.133E-02	1.5928-03	5.760E 00	1. 765E-04	4.797E-04
5.4752-01	3.102E-02	3.472E-03	2. 160E 00	1. 14 12-02	1.561E-03	5.850E 00	2.168E-04	4.5578-04
5.625E-01	2.837E-02	3.447E-03	2.200E 00	1.165E-02	1.473E-03	5.9508 00	1.100E-04	4.268E-04
5.775E-01	2.5571-02	3.629E-03	2.240E 00	1.1328-02	1.377E-03	6.050F 00	-2.2738-05	-4.3458-04
5.925E-01	2.351E-02	3.574F-03	2.280E 00	1.037E-02	1.311E-03	6.150£ 00	-2.1442-04	-4.440E-04
6.100E-01	2.106E-02	3.2128-03	2.320E 00	9.287E-03	1.299E-03	6.250E 00	-3.197E-04	-4.057E-04
6.300F-01	1.0498-02	2.865E-03	2.360E 00	8.5771-03	1.2691-03	6.350E 00	-2.5838-04	~3./54B-04
6.500E-01	1./351-02	2.622E-03	2.4008 00	8.230E-03	1.1381-03	6.4505 00	-2.2008-04	-3-4328-04
6.700E-01	1 6308-02	2.0042-03	2.4402.00	7 9768-03	1 1138-03	6 6505 00	-2.9/08-04	-2 6648-04
0.900E-01	1 3928-02	2.6388-03	2.5257 00	7.7628-03	1.2218-03	6.7508 00	-2. 3072-04	-2.3358-04
7 7008+01	1.203R-02	2.5728-03	2.5757 00	6.6872-03	1.3385-03	6-8508 00	1. 3158-04	2.2198-04
7.5008-01	1.109E-02	2.552E-03	2.625E 00	5.287F-03	1.374E-03	6.950E 00	4.500E-04	1.800E-04
7.700E-01	1.088E-02	2.536F-03	2.675E 00	4.987E-03	1.185E-03	7.050E 00	4.946E-04	1.311E-04
7.900E-01	1.186E-02	2.429E-03	2.725E 00	5.331E-C3	9.466E-04	7.150E 00	3.398E-04	8.513E-05
E.10CE-C1	1.3522-02	2.320E-03	2.775E 00	5.293E-03	8.717E-04	7.250E 00	1.617E-04	5.631E-05
E.300E-01	1.4328-02	2.260E-03	2.825E 00	5.0222-03	8.782E-04	7.350E 00	4.6218-05	4.0852-05
8.5002-01	1.313E-02	2.334E-03	2.875E 00	4.820E-03	8.500E-04	7.450E CO	-3.371E-06	-3.957E-05
8.700E-01	1.0791-02	2.489E-03	2.925E 00	4.440E-03	8.1938-04	7.5501 00	-1.086E-05	-3.282E-05
8.900E-01	8.655E-03	2.6212-03	2.9758 00	3-8455-03	8.2105-04	7 7805 00	-7 4052-06	-3.1082-05
9.1202-01	6 1558-03	2.7568-03	3.0302.00	2.9628-03	8.3178-04	7.9008.00	-4.6652-07	-2.6118-05
9.3/51-01	6 #138+03	2.6528-03	3 1508 00	2.9238-03	7.8945-04	£-020E 00	1.016R-06	2.1548-05
9.875P-01	8.136 -03	2.4738-03	3.2102.00	2.9838-03	7.635E-04	8.140E 00	3.837E-06	2.164E-05
1.012E 00	1.068E-02	2.2558-03	3.270E 00	3.026E-03	7.813E-04	8.260E 00	8.8972-06	2,272E-05
1.037E 00	1.2931-02	2.066E-03	3.330E 00	2.952E-03	7.819E-04	8.380E 00	1.369E-05	1.932E-05
1.063E 00	1_400E-02	1.947E-03	3.390E 00	2.6302-03	7.573E-04	8.500E CO	8.962E-06	1.787E-05
1.087E 00	1.401E-02	1.916E~03	3.45CE 00	2.119E-03	7.5202-04	8.620E 00	1.0361-06	1.653E-05
1.112E CC	1.440E-02	1.798E-03	3.510E 00	1.633E-03	7.449E-04	8.740F 00	-6.616E-06	-1,690E-05
1.137E 00	1.510E-02	1.749E-03	3.570E 00	1.328E-03	7.3521-04	8.860E 00	-1.144E-05	-1.422E-05
1.162E 00	1.5451-02	1.714E-03	3.6308.00	1.1848-03	7.2862-04	8.980E 00	-0.1415-00	-1.3346-05
1.188E 00	1.5/41-02	1.8842~03	3 3508 00	1.0835-03	7.1005-04	9,1001 00	-4 300 8-07	-1 3198-05
1.2128 00	1.5681-02	2.00000-03	3 8408 00	7 5867-04	7.1982-04	9 3407 00	1 6418-06	1 2118-05
1.2578.00	1 4438-02	2.0058-03	3.8708.00	7.2858-04	7.2478-04	9.4708 00	4. 346E-06	1-046E-05
1. 287E 00	1.3882-02	1.978E-03	3.930E 00	7.9932-04	7.186E-04	9.610E 00	6.4512-06	9.8332-06
1.315E 00	1.4201-02	1.947E-03	3.990E 00	8.198E-04	7.0892-04	9.750E 00	9.0108-06	8.223E-06
1.345E 00	1.470E-02	1.861E-03	4.050E 00	7.341E-04	6.784E-04	9.890E 00	9.323E-06	7.486E-06
1.375E CC	1.4682-02	1.783E-03	4.110E 00	6-983E-04	6-577E-04	1.003E 01	8.6882-06	8.578E-06
1.405E OC	1.444E-C2	1.781E-03	4.170E 00	7.249E-04	6.2988-04	1.0178 01	8.4618-06	1.059E-05
1.435E 00	1.4241-02	1.888E-03	4.240E 00	8.0572-04	6.2812-04	1.031E 01	7.743E-06	1.279E-05
1.465E 00	1.402E-02	1.853E-03	4.320E 00	8.3158-04	6.JJJ8-04	1.0451 01	1.2/35-06	1.3916-05
1.495E 00	1.475E-02	1.8238-03	4.4COE 00	0-0315-04	0.1935-04 6 0588-08	1.02AT 01	1. 380 6-00	1.4432-05
1.525E OC	1.5128-02	1-9305-03	4.480E 00	0-0012-04	0.0346-04			

INTEGRATED DATA

PROTON ENER	GY INTERVAL	X-SECTION	ERROR
(8	E₹)	(B/SR)	(B/SR)
3 4445 44		0 3768 04	6 1715-04
3.000E-01 -	4.0002-01	9-376E-04	0.1/15-04
4.000E-01 -	5.000E-01	1.005E-03	5.0128-04
5.000E-01 -	6.000E-01	2.648E-03	3.747E-04
6.000E-01 -	7.000E-01	1. B 10E-03	2.793E-04
7.000E-01 -	8.000E-01	1.198E-03	2.545E-04
8.000E-01 -	1.000E 00	1.906E-03	5.058E-04
1.000E 00 -	1.200E 00	2.806E-03	3.834E-04
1.2008 00 -	1.4008 00	2.9452-03	3.870E-04
1.400F 00 -	1.600E 00	2.976E-03	3.792E-04
1-6008 00 -	1.800F 00	3. 214E-03	3.4982-04
1.8008 00 -	2.0008.00	3. 137 8-03	3. 172E-04
2.0008 00 -	2.5007 00	5. 2398-03	6-822R-04
2 5000 00 -	3 0008 00	2 6728-03	5 1528-04
2. SOLE 00 -	3.0000 00	1 8005-03	3 921 8-04
3.0000 00 -	3.3006 00	F 0 30 F-03	2 6 10 2
3.5002 00 -	4.0008 00	5.0381-04	2.0102-04
4.00CE 00 -	4.500E 00	3.958E-04	3. 188E-04
4.500E 00 -	5.000E 00	7.9048-05	4.273E-06
5.000E 00 -	6.000E 00	5.1521-05	1.512E-04
6.000E 00 -	7.000E 00	-1.357E-04	2.321E-04
7.00CE 00 -	8.0008 00	9.9848-05	1.450E-05
8.000E 00 -	9.0002 00	1.713E-06	8.648E-06
9 0008 00 -	1 000 8 01	4. 2465-06	3-2988-06
- 00 avoute	1.0005 01	4. * 401 -00	

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DIFFERENTIAL CROSS SECTIONS FOR GARMA RAY FRODUCTION IN TH. THE FIRST SET OF RUMBERS IS THE DOUBLY DIFFERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GARMA RAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GAMMA RAY ENERGY INTERVALS. THIS SECOND SET RESULTS FROM INTEGRATION OF THE DOUBLY DIFFERENTIAL CATA. THE UNCERTAINTIES ARE GIVEN IN THE SAME UNITS AS THE DATA AND DO NOT INCLUDE AN ESTI-MATED 10 PERCENT EPROP IN APSCLUTE NORMALIZATION.

INCIDENT NEUTFON ENERGY = 0.50 TO 0.70 MEV. ANGLE = 125 DEGREES.

PHCTCN ENERGY (NEV)	X-SECTION (E/SR/HEV)	ERROR (F/SK/MEV)	PHOTCN ENERGY (MEV)	X-SECTION (B/SR/MEV)	ERROR (B/SR/MEV)	PHOTON ENERGY (MEV)	X-SECTION (B/SR/MEV)	ERROR (B/SR/MEV)
3.075E-01	1.2038-02	4.951E-03	1.555E 00	1.537E-02	1.402E-03	4.560E 00	5.371E-04	3.684E-04
3.225E-01	1.224 E-02	4.524E-03	1.585E 00	1.543E-02	1.359E-03	4.640E 00	7.119E-04	3.709E-04
3.375E-01	1, 374 E-02	4.365E-03	1.615E 00	1.558E-02	1-354B-03	4.720F 00	7.582E-04	3.629E-04
3.525E-01	1.650E-02	4.104E-03	1.645E 0C	1.6328-02	1.324E-03	4.800E 00	6.308E-04	3.631E-04
3.675E-01	1.€CCE-02	3.892F-03	1.680E 00	1.7562-02	1.239E-03	4.880E 00	4.063F-04	3.671E-04
3.8252-01	1.5291-02	3.5(5E-03	1.720E 00	1.7782-02	1.1472-03	4.960E 00	2.465E-04	3.592E-04
3.9752-01	1.437E-02	3.2078-03	1./60E 00	1.701E-02	1.1108-03	5.0401.00	1.5055-04	3.4496-04
4.125E-01	1.0/3E-02	3.1092-03	1 9605 00	1.6538-02	1 0898-03	5 2005 00	8 0418-05	3 4778-04
4.2/52-01	6 4530-03	3 3(87-03	1.9807 00	1.6395-02	1.1035-03	5.2807 00	-6-8458-07	-3. 4258-04
4.4252-01	9 6238-03	3.450E-03	1.9208 00	1.6302-02	1.088E-03	5.3602 00	~6.771E-05	-3.542E-04
4.7258-01	1.5641-02	3.372E-03	1.960E 00	1.5858-02	1.060E-03	5.440E 00	~1.344E-04	-3.189E-04
4.875E-01	2.129E-02	3.185E-03	2.0C0E 00	1.500E-02	1.042E+03	5.520 E 00	-1.284E-04	~2.921E-04
5.025E-01	2.5198-02	3.089E-03	2.040E 00	1-413E-02	1.023E~03	5.600E 00	-4.342E-05	-2.916E-04
5.1758-01	2.755E-C2	2.894E-03	2.080F 00	1.3568-02	1.005E-03	5.680E 00	1. 595E-05	2.583E-04
5.325E-01	2.7691-02	2.6C8E-03	2.120E 00	1.3362-02	9.543E-04	5.760E 00	1.2032-04	2.808E-04
5.475E-01	2.5971-02	2.411F-03	2.160P 00	1.319E-02	1.013E-03	5.8501 00	1.852E-04	3.104E-04
5.6252-01	2.5601-02	2.3151-03	2.2008 00	1.275E-C2	1.0132-03	5.950 E 00	1 255 P-04	2.1475-04
5.7758-01	2.7258-02	2.2435-03	2.2402.00	1 130 8-02	9.3312-04	6 150F 00	5 1962-06	2 3638-04
5.9252-01	2.7498-02	2.2336-03	2 3308 00	1 1002-02	7 9351+04	6 250F CO	-8 505-05	-2 783F-08
6. 100E-01	1 0981-07	1.9528-03	2.360F 00	1.094E-02	7.4218-04	6.350F 00	~5.554E-05	-2.3918-04
6 500E-01	1 8315-02	1-764F-03	2.400E 00	1.016E-02	7.200E-04	6.450F 00	-5.268E-05	-1.991E-04
6-7007-01	1.7588-02	1.728E-03	2.440E 00	8.8372-03	7.231E-04	6.550E 00	-1.700E-04	-1.905E-04
6-900E-C1	1.793E-02	1.710E-03	2.480E 00	7.647E-03	7.347E-04	6.650 E 00	~2.603E-04	-2.026E-04
7.100E-01	1.8211-02	1.648E-03	2.525E 00	6.772E-03	7.608E-04	6.750g 00	~1.899E-04	-1.877E-04
7.300F-01	1.7341-02	1.523E-03	2.575F 00	6,137E-03	8.146E-04	6.850F 00	5.206E-05	1.582E-04
7.500E-01	1.621E-02	1.523E-03	2.625E 00	5.957E-03	8.171E-04	6.950E 00	2.413E-04	1.192E-04
7.70CF-01	1.5161-02	1.512E-03	2.675E 00	6.040E-03	7.175E-04	7.050E 00	2.556E-04	8.083E-05
7.900E-01	1.385E-02	1.517E-03	Z.725E 00	5.852E-03	6.09EE-04	7.150 E 00	1.5668-04	5.125B-05
8.100E-01	1.2658-02	1.4888-03	2.7756 00	5.4722-03	5.2222-04	7.2502.00	0.1355-05	2 2968-05
8.300E-01	1.2328-02	1 4978-03	2.8252.00	4.7788-03	5. 3148-04	7.450 00	2. 286 2-05	1.9058-05
6.300E-01	1.265 -02	1.553E-03	2.925E 00	4.206E-03	5.1998-04	7.550 £ 00	3.599E-05	1.772E-05
8.90CE-C1	1. 1772-02	1.630E-03	2.9751 00	3.749E-03	5.C72E-04	7.660E 00	3.797E-05	1.739E-05
9.1258-01	1.0231-02	1.6778-03	3.030F 00	3.520E-03	5.064E-04	7.780g 00	2.094E-05	1.342E-05
9.375E-01	9.862E-03	1.688E-03	3.0908 00	3.555E-03	5.008E-04	7.900E 00	-1.565E-06	-1.227E-05
9.625E-01	1. 154 E-02	1.707E-03	3.150E 00	3.767E-03	4.592E-04	8.020E 00	-1.609E-05	-1.046 E-05
5.875E-C1	1.403E-02	1.707E-03	3.210E 00	3.849E-03	4.384E-04	8.140F 00	-1.884E-05	-9.440E-06
1.012E 00	1.6428-02	1.6C4E-03	3.270B 00	3.5722-03	4.4302-04	8.260E 00	-1. 171E-05	-8.917E-06
1.037E 00	1.753E-02	1.480E-03	3.3308 00	3.159E~03	4.593E-04	8.380E 00	- 1. 603E-06	-9.09/E-06
1.063E 0C	1.6301-02	1.4918+03	3.3902 00	2.0005-03	4.5165-04	8.5001 00	1 3878-05	7 2258-06
1.0878 00	1.4316-02	1 3678-03	3.450E 00	2.0201-03	4.5407-04	8 7407 00	1 5268-05	6.7408-06
1.112E 00	1.4092-02	1 2748+03	3.5708 00	1 6642-03	4.5888-04	8.860F 00	1.574E-05	7-6198-06
1 1678 00	1.5741-02	1.2528-03	3. E30E 00	1.419E-03	4.426E-04	8.980F 00	1.413E-05	7.085E-06
1 188F CC	1-5257-02	1.483E-03	3.690E 00	1_470E-03	4.214E-04	9.100E 00	1.179E-05	6.933E-06
1.2128.00	1.4838-02	1.6522-03	3.750E 00	1.516E-03	4.0802-04	9.220E 00	6.965E-06	7.734E-06
1.237E 0C	1.4931-02	1.575E-03	3.810E 00	1.386E-03	4.280E-04	9.340E 00	2.160E-06	8.074E-06
1.262E 00	1.491E-02	1.484E-03	3.870E 00	1.197E-03	4.410E-04	9.470E 00	-5.4512-07	-7.517E-06
1.287E 00	1.456E-02	1.440E-03	3.930E 00	1.144E-C3	4.369E-04	9.610E 00	-2-221E-06	-7.887E-06
1.315E CC	1.4502-02	1.510E-03	3.990E 00	1.187E-03	4.311E-04	9.750E 00	~ 1. 431E-06	-9.188E-06
1.345E 00	1.5C8B-C2	1.4368-03	4.050E 00	1.186E-03	4.1222-04	9.890E 00	- 1.000E-0/	7 2028-04
1.375E 00	1.5251-02	1.3298-03	4.1102.00	7 7462-03	3.9//1-04	1 0175 01	2.242E-06 4 B34E-06	8.418R-06
1.4058 00	1.4/01-02	1 3708-03	4 2408 00	4 7492-04	4.0198-04	1.0318 01	6. 235E-06	1.1798-05
1.4352 00	1-4501-02	1.3338-03	4. 320F 00	1.7658-04	4.0448-04	1.045 01	1.006E-05	1.178E-05
1 4957 00	1.5352-02	1.3062-03	4.400E 00	1.6552-04	4.001E-04	1.0592 01	1. 1448-05	1.2288-05
1.525E 00	1.538E-02	1.379E-03	4.480E 00	3.316E-04	3.904E-04			

PHOTON ENERG	Y INTERVAL V)	X-SECTION (E/SF)	ERROR (B/SR)
(BE 3.000E-01 - 4.000E-01 - 5.000E-01 - 6.000E-01 - 7.000E-01 - 1.000E 00 - 1.200E 00 - 1.200E 00 - 2.000E 00 - 2.500E 00 - 3.500E 00 - 4.000E 00 - 4.500E 00 -	*> 4.000E-01 5.000E-01 6.000E-01 7.000E-01 8.000E-01 1.000F 00 1.400F 00 1.400F 00 1.600E 00 2.000F 00 2.000F 00 3.500F 00 4.500E 00 5.000E 00	(E/SF) 1. 429E-03 1. 241E-03 2. 678E-03 1. 956E-03 1. 614E-03 2. 385F-03 3. 121E-03 3. 121E-03 3. 224E-03 3. 384E-03 3. 224E-03 3. 384E-03 3. 224E-03 3. 224E-03 3. 224E-03 3. 248E-03 1. 653E-03 1. 662E-03 7. 188E-04 2. 898E-04 2. 709E-04	(B/SB) 4.129 E-04 3.251 E-04 1.543 E-04 1.543 E-04 1.543 E-04 2.949 E-04 2.949 E-04 2.447 E-04 2.467 E-04 3.161 E-04 3.31 E-04 2.311 E-04 1.831 E-04 1.831 E-04
5.000E 00 - 6.000E 00 - 7.00CE 00 - 8.00CE 00 - 9.000E 00 -	5.000F 00 7.000E 00 8.000E 00 9.000E 00 1.000F 01	4.845E-05 -3.551E-05 6.112E-05 2.361E-06 2.515E-06	4.886E-05 2.452E-05 5.919E-09 1.300E-06

DIFFERENTIAL CROSS SECTIONS FOR GAMMA RAY PRODUCTION IN TH. THE FIRST SET OF NUMBERS IS THE DOUBLY DIFFERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GAMMA RAY PRODUCTION CROSS SECTION FOR THE PESIGNATED GAMMA RAY ENDRGY INTERVALS. THIS SECCHD SET RESULTS PRON INTEGRATION OF THE DOUBLY DIFFERENTIAL LATA. THE UNCERTAINTIES ARE GIVEN IN THE SAME UNITS AS THE DATA AND DO NOT INCLUDE AN ESTI-NATED 10 PERCENT ERROF IN APSOLUTE NORMALIZATION.

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INCIDENT NEUTRON ENERGY = 0.70 TO 1.00 MEV. ANGLE = 125 DEGREES.

PHOTON ENERGY (REV)	X-SECTION (B/SR/MEN)	ERROR (B/SR/NEV)	PHOTON ENERGY (MEV)	X-SECTION (E/SR/MEV)	ERROR (B/SR/MEV)	PHOTON ENERGY (NEV)	X-SECTION (8/SR/MEV)	ERBOR (B/SR/MEV)
3 0758-01	3 2508-02	5 0128-03	1 5558 00	1 6078-02	1 1878-03	4 5601 00	4 296 F-04	3 0028-04
3.0752-01	3.0200-02	4 468P-03	1.5857 00	1.6285-02	1.1495-03	4-6407 00	3. 2118-04	2-8998-04
3 3758-01	3. 114 - 02	4. 3178-03	1.6158.00	1.6067-02	1.0978-03	4.720E 00	2.795E-04	2.779E+04
3 5758-01	2-6471-02	A. 205F-03	1.645E 00	1.581E-02	1.061E-03	4.800F 00	2.887E-04	2.8482-04
3 6758-01	2.3171-02	4.0118-03	1.6808 00	1-626E-02	1.016E-03	4.880 E GG	3.0132-04	2-900E-04
3 8255-01	1-9967-02	3-759E-03	1.720F 00	1.7038-02	9.6898-04	4.960F 00	2.958E-04	2.971E-04
3 9758-01	1.6748-02	3.5898-03	1.760E 00	1.710F-02	9.6912-04	5.040E 00	2. 551E-04	2.911E-04
4.125E-01	1.4511-02	3.5438-03	1.800E 00	1.680E-02	9-3202-04	5.1208 00	1.942E-04	2-732E-04
4.2758-01	1.264E-02	3.6921-03	1.840E 00	1.651E-02	9.104E-04	5.200E 00	1.464E-04	2.659E-04
4.4258-01	1.275E-02	3.7691-03	1.880E 00	1.659E-C2	9.229E-04	5.280E 00	1.237E-04	2-664E-04
9.575F-C1	1.5142-02	3.7378-03	1.920E 00	1.6752-02	8.9728-04	5.360E 00	1.3452-04	2.464E-04
4.725E-C1	1.760E-02	3.775E-03	1.960E 00	1.6632-02	8.534E-04	5.4402 00	1.754E-04	2.231E-04
4.8758-01	2.101E-02	3.679E-03	2.000E 00	1.6292-02	8.13CE-04	5.520E 00	1.668E-04	2.231E-04
5.025E-01	2:636E-02	3.234E-03	2.040E 00	1-574E-02	7.959E-04	5.600F 00	1.0428-04	2.210E-04
5.175E-01	3.036E-02	2.7868-03	2.080E 00	1.493E-02	8.054E-04	5.680F 00	1.502E-06	2.265E-04
5.325E-C1	3.0725~02	2.386E-03	2.120E 00	1.398E-02	8.063E-04	5.760E 00	-6.6422-05	-2.220E-04
5.475E-01	3.0548-02	2.1398-03	2.160E 00	1.312E-02	7.922E-04	5.850E 00	-7. 108E-05	-1.802E-04
5.6258-01	3.5241-02	2.032E-03	2.200E 00	1.253E-02	7.498E-04	5.950E 00	-1.329E-05	-1.7482-04
5.775E-01	4.8261-02	2. 110 E-03	2.240E 00	1.217E-02	7.126E-04	6.050E 00	8.963E-05	1.895E-04
5.925E-01	6.875E-02	2.257E-03	2.280E 00	1.173E-02	6.781E-04	5.150E 00	1. 222E-04	1.867E-04
6.100E-C1	9.8192-02	2.2238-03	2.320E 00	1.1102-02	6.499E-04	6-250E 00	9.808E-05	1.761E-04
E. 300E-01	1.353E-01	2.175E-03	2.360E 00	1.035E-02	6.11EE-04	6.350E 00	5.605B-05	1.388E-04
6.500E-01	1.8791-01	2.170E-03	2.400E 00	9.441E-03	5.733E-04	6.4502 00	-2.309E-05	-1.420E-04
6.700E-01	2.2341-01	2.088E-03	2.4402 00	8.553E-03	5.66 1E-04	6.550E 00	-1.282B-04	-1.353E-04
6.900E-01	2.2511-01	1.947E-03	2.4802 00	7.879E~03	5.662E-04	6.650E 00	-2.063E-04	-1.249E~04
7.100E-C1	2.0388-01	1.823E-03	2.5252 00	7.365E-03	5.9398-04	6.750E 00	-1.9028-04	-1.120E-04
7.300F-01	1.8258-01	1.731E-03	2.575E 00	6.784E-03	6.38EE-04	6.850E 00	-6.995E-05	-1.014E-04
7.500E-01	1.6808-01	1.696E-03	2.625B 00	6.286E-03	6.224E-04	6.950E 00	5.//1E-05	8.867E-05
7.700E-01	1.5381-01	1.5932-03	2.6758 00	6.2262-03	5.516E-04	7.0501 00	1.0568-04	0.2198-05
7.900E-01	1.313E-01	1.4852-03	2.725E 00	6.4058-03	4.5408-04	7.15VE 00	9.2371-05	4.2128-05
8.100F-01	9.9668-02	1.4265-03	2.775000	6.282E~03	4.1845-04	7.250 00	0, 1008-00	3. 1405-03
8.300g-01	6.CS2E-02	1 2228 02	2.8251 00	5.8032~03	4.2322-04	7,3502 00	2 177 P- 05	2.3036-03
8.500E-01	9.1152-02	1.2221-03	2.0755.00	5.3422-03	3 0032-04	7 5605 00	2 4542-05	2.1405-05
8.7008-01	1 6605-02	1 2342-03	2.9236.00	9. ((3E~03	3.0036-04	7,5501 00	1 5781-05	1 6012-05
8.9008-01	1.0072-02	1 2008-02	2. 5755 00	4.917E=03	3 6998-04	7 780 5 00	6 0218-06	1 3008-05
9.12 32-01	1 3118-02	1.2818-03	3 090 # 00	4.0858-03	3.7298-04	7.9005 00	-2.197E-07	~1_085E-05
0 6758-01	1 4471+02	1 2898-03	3 150 5 00	3 7078-03	3.5282-04	P.020E 00	-2.0782-06	-9.2788-06
9 8758-01	1.5751-02	1. 3325-03	3.2108 00	3.4138-03	3.4468-04	8.140F 00	-2.955E-06	-7.652E-06
1.012R 00	1-6267-02	1. 290 E-03	3.27CE 00	3.233E-03	3.3868-04	8.260E 00	-2.037E-06	-7.116E-06
1.0370 00	1.576E-02	1.2608-03	3.330E 00	3.046E-03	3.447E-04	8.380E 00	-1. 130 E-06	-5.746E-06
1.0638 00	1.476E-C2	1.2898-03	3.390F 00	2.749E-03	3.478E-04	8.500E 00	- 1, 300E-06	-5.051E-06
1.087E 00	1.473E-02	1.2698-03	3.45CE 00	2.414E-03	3.386E-04	8.620F 00	-2-2248-06	-4.215E-06
1.112E 00	1.4281-02	1.150E-03	3.510E 00	2. 123E-03	3.403E-04	8.740F 00	~3.358E~06	-4.742E-06
1.137E 00	1.503E-02	1.097E-03	3.570E 00	1.934E-03	3.3938-04	8.860E 00	- 1. 460 E-06	-3.880E-06
1.162E 00	1.5622-02	1.080E-03	3.630E 00	1-908E-03	3.190E-04	8.980E 00	7.831E-07	3.037E-06
1. 18 BE 00	1.559E-C2	1.237E-03	3.690F 00	1.896E-03	2.9601-04	9.100E 00	1.463E-06	3.372E-06
1.212E 00	1.5328-02	1.347E-03	3.750E 00	1.724E-03	3.000E-04	9.220E 00	2.778E-06	4.457E-06
1.237E 00	1,5262-02	1. 290 E-03	3.810E 00	1.471E-03	3.147E-04	9.340E 00	2.019E-06	3.580E-06
1.262E 00	1.509E-02	1.291E-03	3.67CE 00	1.335E-03	3.140E-04	9.470E 00	2.449E-06	3.553E-06
1.287E CC	1.4722-02	1.2842-03	3 .930e 00	1.329E-03	3.115E-04	9.610E 00	4.4528-06	4.450E-06
1.315F OC	1.4678-02	1.328E-03	3.990E 00	1.307E-03	3.174E-04	9.750E 00	4.027E-06	3.2798-06
1.345E 00	1.5331-02	1.234E-03	4.050B 00	1.2422-03	3.255E-04	9.890E 00	3.198E-06	2.9798-06
1.375E 00	1.5861-02	1.119E-03	4.110E 00	1.2132-03	3.120E-04	1.003E 01	2-267E-06	3.260E-06
1.405E 00	1.596E-02	1.098E-03	4.170E 00	1.182E-03	3.010E-04	7.017E 01	1.976E-06	3.6938-06
1.435E OC	1.6012-02	1.136E-03	4.240E 00	1.054E-03	3.0245-04	1.0312.01	1 7078 44	4.8845-06
1.465E OC	1.00/2-02	7.14/E+03	4.3208 00	8.4321-04	3.0712~04	1.045E 01	1. /4/6-06	4.04/8-06
1.495E 00	1.5901-02	7.1682-03	4.400E 00	0.927E-04	3.U828-04 3.1008-04	1.0395 01	2.1036-06	3.110B-00
1.525E 00	1.5801-02	1. 1312-03	4.4805 00	5.0035-04	3.1226-04			

PHOTON ENEFGY INTERVAL	X-SECTION	ERROR
(MEV)	(B/SR)	(B/SR)
3.000E-01 - 4.000E-01 4.000E-01 - 5.000E-01 5.000E-01 - 6.000E-01 6.000E-01 - 7.000E-01 7.000E-01 - 7.000E-01 8.000E-01 - 1.000E 00 1.000E 00 - 1.200E 00 1.200E 00 - 1.200E 00	2.680E-03 1.611E-03 3.942E-03 1.744E-02 1.677E-02 6.423E-03 3.035E-03	4.230E-04 3.676E-04 2.374E-04 2.120E-04 1.666E-04 2.593E-04 2.593E-04 2.514E-04
1.400E 00 - 1.600E 00	3. 201E-03	2. 279 E-04
1.600E 00 - 1.600E 00	3. 309E-03	2. 219 E-04
1.600E 00 - 1.800E 00	3. 321E-03	1. 78 E-04
1.600E 00 - 2.500E 00	5. 985E-03	3. 486 F-04
2.500E 00 - 3.500E 00	3. 026E-03	2. 431 E-04
3.500E 00 - 3.500E 00	1. 676E-03	1. 755 E-04
3.500E 00 - 4.000E 00	8. 321E-04	1. 580 E-04
4.0002 00 - 4.5002 00	4.860E-04	1.548E-04
4.5002 00 - 5.0002 00	1.636E-04	1.453E-04
5.0002 00 - 6.0002 00	9.076E-05	1.283E-04
6.0002 00 - 7.0003 00	-2.005E-05	1.163E-05
7.0002 00 - 8.0002 00	3.784E-05	2.223E-05
8.0002 00 - 9.0002 00	-1.877E-06	5.183E-06
9.0002 00 - 1.0003 01	2.877E-06	3.624E-06

DIFFERENTIAL CROSS SECTIONS FOR GARMA RAY PRODUCTION IN TH. THE FIRST SET CF WUNBERS IS THE DOUBLY DIFFERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GAMMA RAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GAMMA RAY ENERGY INTERVALS. THIS SECOND SET RESULTS FROM INTEGRATION OF THE DOUBLY DIFFERENTIAL DATA. THE UNCEPTAINTIES ARE GIVEN IN THE SARE UNITS AS THE EATA AND DO NOT INCLUDE AN ESTI-MATED 10 PERCENT ERROF IN ABSCLUTE NOFMALIZATICN.

INCIDENT NEUTRON ENERGY = 1.00 TO 1.50 MeV. ANGLE \approx 125 degrees.

PHCTCN ENERGY (NEV)	X-SECTION (E/SE/REV)	ERROR (E/SR/NEV)	FHOTCN ENERGY (MEV)	X-SECTION (B/SR/MEV)	ERBOR (B/SR/BEV)	PHOTON ENERGY	X-SECTION (B/SB/MEN)	ERROR (B/SR/HRV)
3 0758-01	2 614 8-02	7 5148-03	1 555 # 00	1 4945-00	1 0798-03	4 560F 00	3 9968-04) 555 m-0#
3 2258-01	7.C74E-02 8.511E-02	6.814F-03	1.585 00	1 4998-02	9 9008-00	4.500E 00	3.9005-04	2.5558-04
3.2258-01	8.8085-02	6.4668-03	1 6150 00	1 4995-02	9.9005-04	4.040E 00	5 5 2 2 5 - 04	2.5208-04
3 57 58-01	8-5148-02	6.236E-03	1.645 0.0	1 4828+02	9.3178-04	4 800 5 00	6 256 P-04	2 36 78-04
3-6758-01	7.7218-02	5-956E-03	1.680F 00	1.4708-02	9. 2208-04	4.8805.00	6.7228-04	2.3021-04
3.8252-01	6 700 - 02	5.874E-03	1.7202 00	1.4928-02	9.6875-04	4 960F 00	6 5428-04	2.48367-04
3.9758-01	5.6601-02	5.8442-03	1.760E 00	1.502E-02	8.4445-04	5.0407.00	5.3408-04	2.0305-04
4.125E-01	4.7235-02	5.974E-03	1.800E 00	1.468E-02	8.209E-04	5.120F 00	3.650F-04	2-5388-04
4-275F-C1	3.797E-02	6.211E-03	1.840E 00	1.441E-02	7-960E-04	5.200E 00	2. 220E-04	2.512E-04
4.425F-C1	3,245E-C2	6.2958-03	1.880E 00	1.4362-02	7.924E-04	5.280F 00	1.046E-04	2.303E-04
4.5752-01	3,3331-02	€.226E-03	1.920E 00	1.433E-02	7.866E-04	5.3602 00	2.644E-05	2.104E-04
4.725E-01	3,788E-02	6.053E-03	1.960E 00	1.424E-02	7.630E-04	5.440F 00	-5.117E-05	-2.273E-04
4.875E-01	4.233E-02	5.484F-03	2.000E 00	1.3872-02	7.282E-04	5.520E 00	-7.326E-05	-2.130E-04
5.02 5E-C1	4.571E-02	4.571E-03	2.0401 00	1.3268-02	7.099E-04	5.600F 00	- 3. 279E-05	-2.038E-04
5.175E-C1	4.543E-C2	3.736E-03	2.0801 00	1.2662-02	7.021E-04	5.680g 00	3.067E-05	1.940E-04
5.3258-01	5.447E-02	3.1462-03	2.120E 00	1.217E-02	6.902E-04	5.7608 00	9.521E-05	1.955E-04
5.475E-01	6.183E-02	2.819E-03	2.160E 00	1.160E-02	6.747E-04	5.850F CO	1.242E-04	1.806E-04
5.6252-01	7.831E-02	2.7212-03	2.200E 00	1-0982-02	6.534E-04	5.950E 00	1.213E-08	1.847E-04
5.775E-C1	1.1232-01	2.900E-03	2.240E 00	1.053E-02	6.119E-04	6.050£ 00	7.301E-05	1.661E-04
5.925E-01	1.6172-01	3.295E-03	2.280E 00	1.0152-02	5.691E-04	6.150E 00	1.843E-05	1.456E-04
6.100E-01	2.236E-01	3.5658-03	2.320E 00	9.612E-03	5.489E-04	6.250E 00	1.275E-05	1.448E-04
6.300E-01	2.8591-01	3.6661-03	2.360E 00	8.939E-03	5.2328-04	6.350F 00	-6.0388-06	-1.4938-04
6.500E-01	3.3932-01	3.6 T4E-03	2.4C0E 00	8.301E-03	5.1518-04	6.450E 00	~4.413E-05	-1.389E-04
6.700E-C1	3.7661-01	3.404E-03	2.440E 00	7.853E-03	5.055E-04	6.550F 00	~8.468E-05	-1.211E-04
6.9002-01	3.9092-01	3-2596-03	2.4808 00	7.6062-03	5.1861-04	6.650E 00	~8.6138-05	-1.064E-04
7.1002-01	4.0051-01	2.2035-03	2.3236 00	7.4748-03	5.3872-04	6.7502 00	-4.7048-05	-9.115E-05
7.3008-01	4.2082-01	3.0952-03	2.5/50 00	1.240E+03	5.3265-04	6.850E UU	5.5948-05	9.0878-05
7.0002-01	4.3902-01	2,7072-03	2.0235 00	6.00 cE-03	5.110E-04	3 0507 00	1.4332-04	8.1008-05
7.9008-01	4.5101-01	2.6598-03	2 7258 00	5 6187-03	3 8225-04	7 1505 00	1.0902-04	0.3322-03
9 1005-01	3.0300-01	2 4628-03	2.7252.00	5.0742-03	3.9222-04	7 7502 00	7 2848-05	4.80JZ-03
8 300F+01	2.375-01	2.4025 03	2.8258 00	4 9738+03	3 7848-04	7 350 00	1 9562-05	2 3708-05
8 5008-01	1.7651-01	1.7478-03	2.8755 00	4 7438-03	3.6168-04	7.450 \$ 00	-1 1238-05	-2 2095-05
F.70CP-C1	7.2448-02	1.6088-03	2.925F 00	4.4148-03	3.44.82-04	7.5507.00	-2.3218-05	-1 0528-05
8.900F-01	A. FC3E-02	1.6C7E-03	2.975E 00	4.085F-03	3. 3475-04	7.6607.00	-2. 128E-05	-1.6838-05
9.125E-01	3.6585-02	1.5848-03	3.0308 00	3.9538-03	3.269F-04	7.7808 00	-1.0828-05	-1.2308-05
9.375E-01	4.6141-02	1.666E-03	3.090E 00	3.785E-03	3.155E-04	7.9001 00	1.390E-06	1.1412-05
9.6252-01	6.799E-02	2.095E-03	3.15CE 00	3.520E-03	3.038E-04	8.020E 00	1.144E-05	1-1332-05
9.875E-C1	9.939E-02	2.354E-03	3.210E 00	3.432E-03	2.964E-04	8.140E 00	1. 526E-05	1.004E-05
1.012E 00	1.3592-01	2.174E-03	3.270E 00	3.319E-03	2.9301-04	8.2602 00	1.2578-05	7.909E-06
1.037E 00	1.€12E-01	2.132E-03	3.330E 00	2.962E-03	2.977E-04	8.380E 00	4.894E-06	7.5265-06
1.06 3E 00	1.6371-01	2.793E-03	3.390E 00	2.5832-03	2.9852-04	8.500E 00	1.144E-06	7.176E-06
1.087E 00	1.394E-01	2.511F-03	3.45CE 00	2,3432-03	2.9342-04	8.620E 00	-9.373E-07	-7.082 2-06
1.112E CC	1.0342-01	1.710E-03	3.510E 00	2.221E-03	2.9192-04	8.740E 00	- 1. 50 3E-06	-6.094E-06
1.137E 00	E.E96E~C2	1.275E-03	3.570E 00	2.165E-03	2.849E-04	8.860E 00	-4.081E-07	-5.708E-06
1.162E 00	4.341E~02	1.282E-03	3.630E 00	2.076E-03	2.749E-04	8.980E 00	-4.1568-07	-4.078E-06
1.188£ 00	2.865E~02	1.3C8E-03	3.690E 00	1.8802-03	2.7192-04	9.100E 00	-1.8512-06	-4.698E-06
1.212E 00	2.1971~02	1.354E-03	3.75CE 00	1.681E-03	2.8162-04	9.220E 00	-2. 397E-06	-3.996E-06
1.2378 CC	1.9372-02	1. 270E-03	3.810E 00	1.616E-03	2.8958-04	9.340E 00	-2. 1498-06	-3.504E-06
1.262E 00	1.834E-C2	1.254E-03	3.870E 00	1.618E-03	2.907E-04	9.470E 00	-9.705E-07	-3.127E-06
1. 287E 0C	1. 793E- C2	1.231E-03	3.930E UO	1.5382-03	2.8658-04	9.610E 00	3.6548-07	2.584E-06
1.315E 00	1./491-02	1.240E-03	3.990E 00	1.378E-03	2.776E-04	9.750E 00	1.3898-06	1.912E-06
7.345E 00	1. /02E-02	1. 150 2-03	4.050E 00	1.2228-03	2.6628-04	9.8902.00	2. 100E-06	1.784 E-06
1.375E CC	1.671E-02	1.0298-03	4.110E 00	1.0768-03	2.629E-04	1.0038 01	2.8978-06	2.079E-06
1.405F UU	1.6438-12	5.909E-04	4.1702 00	9.0851-04	2.0491-04	1.01/£ 01	3.8348-06	2.427E-06
1.4358.00	1.0151-02	1.0345-03	4.240E 00	0.8005-04	2.6758-04	1.0312 01	4-4385-06	2.863E-06
1.4655.00	1.5941-02	0 7398-00	4.JZVE 00	4.4//D-04	2.//25-04	1 0505 07	4.30V#~V6	3.0522+06
1 4955 00	1 4988-07	1.0378-03	4.4807 00	3.3248-04	2.6608-04	1.0372 01	200E-06	3.144E*06
1	1				4,400VD V4			

.

PHOTON ENE	BG	INTER	VAL	X-SECTION	ERSOR
(P.B.Y	7)		(E/SR)	(B/SR)
,		,			• • •
3.000E-01	-	4.000E-	-01	7.763E-03	6.426E-04
4.000E-01	-	5.000E	-01	3.964E-03	5.971E-04
5.000E-01	-	6.000 E	-01	8.256E-03	3.2392-04
6.000F-01	-	7.000E-	-01	3.229E-02	3.498E-04
7.000E-01	-	8.000E-	-01	4.146E-02	2.9412-04
8.000E-01	-	1.000E	00	2. 1247-02	3.820E-04
1.000E 00	-	1.200E	00	2.103F-02	3.793E-04
1.2007 00	-	1.4008	00	3.6518-03	2.4018-04
1. 8005 00	-	1-6008	00	3.0998-03	2.0518-04
1.6002 00	-	1.800 F	ňň	2.9758-03	1.7898-04
1.800E 00	-	2.000 8	00	2.8651-03	1.5662-04
2.000 00 00	-	2.5008	ກກ	5. 2228-03	3.0348-04
2 5000 00 .	_	3.0002	ňň	2 8368-03	2 116 8-04
3 0008 00	_	3 5000	ññ	1 5091-03	1 610 2.00
3 5000 00	_	A 000E	00	8 9918-00	1 4168-04
8 0005 00	_	4.0005	00	3 5619-04	1 24102-04
# COOLE 00 -	-	4.J00B	00	3.3015-04	1 2628 04
4. 500E 00 -	-	5.0006	00	2.7822-04	1.2526-04
5.0002 00	-	6.000E	00	1.2212-04	1.1218-04
6.000E 00 ·	-	7.000E	00	3.433E-06	2.826E-06
7.000E 00 -	-	8.000£	00	3.2702-05	1.109E-05
8-00CE 00 -	-	9.000E	00	4.668E-06	2.203E-06
9.000E 00 -	-	1.000 E	01	-2.874E-07	1.107g-06

DIPPERENTIAL CROSS SECTIONS FOR GAMMA RAY PRODUCTION IN TH. THE PIRST SET OF NUMBERS IS THE DOUBLY DIPPERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GAMMA RAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GAMMA RAY ENERGY INTERVALS. THIS SECURE SET RESULTS FROM INTEGRATION OF THE DOUBLY DIPPERENTIAL CATA. THE UNCERTAINTIES ARE GIVEN IN THE SAME UNITS AS THE DATA AND DO NOT INCLUDE AN ESTI-MATED 10 PERCENT ERFOR IN ARSOLUTE WORMALIZATION.

INCIDENT NEUTRON ENERGY = 1.50 TO 2.00 MEV. ANGLE = 125 DEGREES.

(p1) (p2.97 m) (p2.97 m) <th(p2.97 m)<="" th=""> <th(p2.97 m)<="" th=""> <th(p2.97< th=""><th>PROTON ENERGY</th><th>X-SECTION</th><th>BRROR</th><th>PHOTON ENERGY</th><th>X-SECTION</th><th>ERBOR</th><th>PHCTON ENERGY</th><th>X-SECTION</th><th>ERROR</th></th(p2.97<></th(p2.97></th(p2.97>	PROTON ENERGY	X-SECTION	BRROR	PHOTON ENERGY	X-SECTION	ERBOR	PHCTON ENERGY	X-SECTION	ERROR
$\begin{array}{c} 3, 0.75 + 01 & 1.299 + 01 & 1.292 + 02 & 1.555 & 00 & 9.770 + 02 & 2.392 + 03 & 4.560 & 00 & 5.577 - 04 & 2.6977 - 04 & 2.6977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 04 & 2.5977 - 05 & 2.5977 - 05 & 2.5977 - 05 & 2.5977 - 05 & 2.5977 - 05 & 2.5977 - 05 & 2.5977 - 05 & 2.5977 - 05 & 2.5977 - 05 & 2.5977 - 05 & 2.5977 - 05 & 2.5977 - 05 & 2.5977 - 05 & 2.5977 - 05 & 2.5977 - 05 & 2$	(8 2 4)	(D) CR/OR ()	(0/38/054)	(824)	(2/38/824)	(0/ 34/11/)	(151)	(5) 51/ 161)	(5) 38/112()
3.222+0.1 1.5852-01 1.5852-00 1.6852-00 2.1342-03 4.6407-00 7.0418-04 2.7032-04 3.3755-01 1.6911-01 9.6957-03 1.6007-00 5.0511-02 1.4112-03 4.7020-00 5.05010-02 1.6082-04 2.5082-04 3.6757-01 1.6911-01 9.6987-03 1.7007-00 4.24067-03 4.660100 3.6227-04 2.5082-04 3.6757-01 1.6187-03 1.7007-00 3.5571-05 1.1531-03 5.040500 4.6482-04 2.5488-04 4.1252-01 1.0417-01 1.0537-02 1.5807-00 1.1531-03 5.200700 4.4642-04 2.5488-04 4.1252-01 1.0417-01 1.0567-02 1.590700 1.3978-02 1.5627-03 5.200700 4.4052700 4.405270 2.5287-04 2.6638-04 4.7575-01 1.0147-01 5.2287-02 1.560700 1.7528-02 9.6718-04 5.400700 4.4082-04 2.5688-04 2.5687-04 5.750700 4.4082-04 2.5698-04 2.5288-04 2.6598-04 2.5288-04 2.6598-04 2.5288-04 2.5698-04 2.5288-04 2.5698-04 2.5288-04 2.5698-04 2.5288-0	3.075E-01	1.299E-01	1.242E-02	1.555P 00	9.7702-02	2.3928-03	4.560E 00	8.527E-04	2.877E-04
$ \begin{array}{c} 1, 375-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, 295-0 \\ 1, $	3.225F-01	12558E-C1	1.1306-02	1.585E 00	8.685E-02	2.154E-03	4.640E 00	7.041E-04	2.793E-04
3.5525-01 1.801-01 9.995-03 1.665200 1.5567-02 1.5282-02 1.5282-03 4.8007 00 3.6782-04 2.8078-04 2.8078-04 2.8078-04 2.8078-04 2.8078-04 2.8078-04 2.8078-04 2.8078-04 2.8078-04 2.8078-04 2.8078-04 2.9078-01 1.5075-01 1.2078-01 9.9027-01 1.9070-01 1.5518-03 1.7007 00 3.6571-02 1.1518-03 5.2007 00 4.6682-04 2.9888-04 4.2758-01 1.2078-01 1.0677-03 5.2007 00 4.5682-04 2.9888-04 4.2758-01 1.0017-01 1.0687-02 1.80770-02 2.5622-02 1.0667-03 5.2007 00 4.5095-04 2.9888-04 4.2758-01 1.1017-01 1.0687-02 1.80770-02 1.0518-03 1.0017-01 4.5095-02 1.93770-02 1.0518-03 5.2007 00 4.5095-04 2.6588-04 4.2758-01 1.1017-01 1.0687-02 1.80770-02 1.0518-03 5.2007 00 4.5095-04 2.6588-04 4.2758-01 1.1017-01 1.555-02 1.13270-00 1.13737-03 5.2007 00 4.5095-04 2.6588-04 4.4752-04 1.51275-01 1.1515-03 2.0007 00 1.6170-02 8.8076-04 5.5007 00 1.3278-04 2.6588-04 5.7557-03 1.2007-02 4.8587-04 5.6007 00 1.2638-03 5.72507 01 4.2078-04 2.6508-04 5.7575-01 1.3172-01 5.2288-01 1.3272-03 2.0007 01 1.4585-02 8.8778-04 5.5007 00 1.4787-04 2.6508-04 5.5275-04 5.6007 00 1.2638-03 5.72507 00 8.4488-02 2.3218-04 5.57575-03 2.2007 00 1.13575-03 5.7007 00 8.4488-02 2.3218-04 5.5007 00 1.2638-04 5.5007 00 1.2638-04 5.7575-03 2.2007 00 1.13575-02 7.5687-04 5.5007 00 1.1078-05 2.0078-04 5.5255-06 1.3788-04 5.7507 00 5.7378-05 2.0078-04 5.5507 00 1.11078-04 2.0078-04 5.5255-06 1.2575-03 2.2007 00 1.1285-02 7.5687-04 5.5507 00 5.1388-05 1.7738-04 5.5557 00 5.5388-05 1.7738-04 5.5557 00 5.5388-05 1.7738-04 5.5557 00 5.5388-05 1.7738-04 5.5557 00 5.5388-05 1.7738-05 1.20078-04 5.5557 00 5.5388-05 1.7738-05 1.20078-04 5.5557 00 5.5388-05 1.2738-04 5.5557 00 5.5388-05 1.2738-04 5.5557 00 5.5388-05 1.2738-04 5.5557 00 5.5388-05 1.2738-04 5.5557 00 5.5388-05 1.2738-04 5.5557 00 5.5388-05 1.2738-04 5.5557 00 5.5388-05 1.2738-04 5.5557 00 5.5388-05 1.2738-04 5.5557 00 5.5388-05 1.2738-04 5.5557 00 5.5388-05 1.2738-04 5.5557 00 5.5388-05 1.2738-04 5.5557 00 5.5388-05 1.2388-05 1.2388-05 1.2388-05 1.2388-05 1.2388-05 1.2388-05 1.2388-05 1.23888-04 5.5557 00 5.53888-04 5.5	3.375E-01	1.796E~01	1.061E-02	1.615E 00	7.3878-02	1.783E-03	4.720E 00	5.168E-04	2.762E-04
$ \begin{array}{c} 3, 6752-01 & 1, 6912-01 & 9, 9857-03 & 1, 6602 & 00 & 5, 6912-02 & 1, 4112-03 & 4, 8802 & 00 & 3, 4622-04 & 2, 962-04 \\ 1, 2752-01 & 1, 2777-01 & 5, 9022-03 & 1, 1002 & 00 & 2, 5937-04 & 1, 6612-03 & 5, 1200 & 00 & 4, 1927-04 & 2, 9987-04 \\ 4, 2752-01 & 1, 1021-01 & 1, 0082P-02 & 1, 8002 & 00 & 2, 5937-04 & 1, 6612-03 & 5, 1200 & 00 & 4, 6187-04 & 2, 9987-04 \\ 4, 2752-01 & 1, 0312-01 & 1, 0632P-02 & 1, 8002 & 00 & 2, 1982-02 & 1, 6612-03 & 5, 2807 & 00 & 4, 4052-04 & 2, 6687-04 \\ 4, 2752-01 & 1, 0612-01 & 1, 0632P-02 & 1, 8002 & 00 & 2, 1982-02 & 1, 6612-03 & 5, 2807 & 00 & 4, 4052-04 & 2, 6687-04 \\ 4, 2752-01 & 1, 0612-01 & 1, 0562P-02 & 1, 8002 & 00 & 1, 933P-02 & 1, 0632P-03 & 5, 2807 & 00 & 4, 2052P-04 & 2, 6687-04 \\ 4, 2752-01 & 1, 2072-01 & 6, 3752-03 & 2, 0902 & 00 & 1, 394P-02 & 8, 0722-04 & 5, 6607 & 00 & 1, 6712-04 & 2, 6500P-04 \\ 5, 1752-01 & 1, 372P-01 & 5, 4332P-03 & 2, 0902 & 00 & 1, 394P-02 & 8, 0722P-04 & 5, 6607 & 00 & 1, 6612P-04 & 2, 6500P-04 \\ 5, 4752-01 & 1, 372P-01 & 5, 4332P-03 & 2, 2007 & 00 & 1, 335P-02 & 8, 5072-04 & 5, 6607 & 00 & 1, 651P-04 & 2, 6500P-04 \\ 5, 6252-01 & 1, 6942P-03 & 2, 2007 & 00 & 1, 335P-02 & 8, 5072-04 & 5, 6607 & 00 & 1, 373P-04 \\ 5, 6252-01 & 1, 6942P-03 & 2, 2007 & 00 & 1, 132P-07 & 7, 741P-04 & 5, 4570 & 00 & 3, 3472-03 & 1, 393P-04 \\ 5, 6020-01 & 1, 6502P-01 & 6, 1272P-03 & 2, 2007 & 00 & 1, 132P-04 & 6, 5700 & 00 & 1, 133P-04 \\ 6, 7002-01 & 6, 2020-01 & 6, 1272P-03 & 2, 2007 & 00 & 1, 122P-03 & 6, 1072P-04 & 6, 5700 & 00 & 1, 133P-04 \\ 6, 7002-01 & 6, 2020-01 & 6, 1262P-03 & 2, 2007 & 00 & 5, 498P-04 & 6, 5700 & 00 & 1, 133P-04 & 2, 6007-04 \\ 6, 5002-01 & 6, 1262P-03 & 2, 2600 & 00 & 9, 499P-03 & 6, 4012P-04 & 6, 5700 & 00 & 1, 133P-04 \\ 6, 7002-01 & 6, 2026-01 & 6, 1262P-03 & 2, 2600 & 00 & 9, 499P-03 & 6, 4012P-04 & 6, 5700 & 00 & 1, 133P-04 \\ 6, 7002-01 & 6, 2026-01 & 6, 1262P-03 & 2, 2600 & 00 & 9, 499P-03 & 6, 4012P-04 & 6, 5700 & 00 & 1, 578P-04 \\ 7, 7002-01 & 6, 2026-01 & 6, 1262P-03 & 2, 2600 & 00 & 9, 499P-03 & 6, 4012P-04 & 6, 5700 & 00 & 1,$	3.525E-01	1.840E-C1	9.995E-03	1.645E 00	6.1562-02	1.53€E-03	4.800F 00	3.674E-04	2.801E-04
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a, 2252-01 1, 2372-01 1, 2007 00 2, 2932-02 1, 1025-03 5, 1207 00 4, 4, 118-04 2, 3382-04 a, 2752-01 1, 0125-01 1, 0552-02 1, 2007 00 1, 2342-02 1, 0125-03 5, 3607 00 3, 6228-04 2, 6638-04 a, 7252-01 1, 0125-01 1, 0552-02 1, 0325-01 2, 2607 00 1, 2325-00 2, 6097-04 5, 3607 00 3, 6228-04 2, 6698-04 a, 7252-01 1, 1015-01 9, 2287-03 2, 0007 00 1, 6488-02 8, 6776-04 5, 5007 00 1, 7478-04 2, 6008-04 5, 0252-01 1, 2017-01 6, 3752-03 2, 0007 00 1, 3488-02 8, 6776-04 5, 6007 00 1, 2617-04 2, 6008-04 5, 0252-01 1, 4957-03 2, 0007 00 1, 3488-02 8, 0728-04 5, 6007 00 1, 2617-04 2, 6008-04 5, 7755-01 1, 4957-03 2, 2008 00 1, 2388-02 7, 6487-04 5, 5007 00 1, 3487-02 1, 0127-04 5, 5907 00 1, 1108-02 2, 2008 00 1, 3389-04 6, 5050 00 1, 1108-02 1, 3989-04 6, 5050 00 1, 1108-02 1, 3989-04 6, 5050 00 1, 1108-02 1	3.975E-01	1.361E-01	5.708E-03	1.760E 00	3-557E-02	1.153E-03	5.040E 00	4.648E-04	2.9882-04
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6.500E-01 4.105E-01 6.202E-03 2.400E 00 9.329E-03 6.013E-04 6.450E 00 -2.182E-05 -1.332E-04 6.700E-01 4.408E-01 5.061E-03 2.440E 00 9.378E-03 6.081E-04 6.550E 00 -1.2284E-05 -1.223E-04 1.100E-01 4.102E-01 4.945E-03 2.552E 00 9.551E-03 6.910E-04 6.550E 00 -2.748E-05 -9.151E-05 7.500E-01 5.421E-01 4.945E-03 2.675E 00 7.562E-03 6.910E-04 6.550E 00 -2.748E-05 -9.151E-05 7.00E-01 5.398E-01 4.368E-03 2.675E 00 7.562E 03 5.899E-04 7.550E 00 -1.4446E-05 -7.7678E-05 8.00E-01 2.658E-013 3.662E-03 2.675E 00 7.157E 03 4.387E-04 7.550E 00 2.492E-05 3.3795E-05 3.302E-05 3.00E-04 7.550E 00 3.494E-04 7.550E 00 3.494E-04 7.550E 00 3.795E-05 3.302E-05 3.062E-05 3.062E-05 3.062E-05 3.062E-05 3.062E-05 3.062E-05 3.062E-05 3.020E-01 1.55E-01 3.795E-05 3.322E-05 8.05E-00 3.795E-06 2.731BE-05	6.300E-01	3.8002-01	6.429E-03	2.360E 00	9.9492-03	6.440E-04	6.350E 00	1.558E-06	1.3782-04
	6.500E-01	4.105E-01	6.2022-03	2.400E 00	9.329E-03	6.013E-04	6.450E 00	-2.182E-05	-1.350E-04
	6.700E-01	4.296E-01	5.5661-03	2.440E 00	8.9375-03	6.081E-04	6.550E CO	-1.294E-05	-1.313E~04
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7.100E-C1	4.7122-01	4.972E-03	2.525F 00	9.602E-03	6.349E-04	6.750E 00	2.483E-06	1.056E-04
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7.300E-01	5.1C9E-01	4.945E-03	2.575E 00	9.551E-03	6.9102-04	6.850E 00	-1.798E-05	-9.151E-05
$\begin{array}{c} 7,7002-01 & 5.398E-01 & 4.368E-03 & 2.675E 00 & 7.546E-03 & 5.899E-04 & 7.050E 00 & -1.446E-05 & -7.767E-05 \\ 8,1002E-01 & 4.316E-03 & 2.725E 00 & 7.157E-03 & 4.387E-04 & 7.250E 00 & 4.756E-05 & 4.392E-05 \\ 8.3002E-01 & 2.564E-01 & 3.367E-03 & 2.675E 00 & 5.391E-03 & 4.247E-04 & 7.350E 00 & 5.241E-05 & 3.795E-05 \\ 8.7002E-01 & 1.541E-01 & 3.068E-03 & 2.925E 00 & 5.431E-03 & 4.22EE-04 & 7.450E 00 & 3.7898-05 & 3.392E-05 \\ 8.9002E-01 & 1.541E-01 & 2.950E-03 & 2.925E 00 & 4.3092E-03 & 3.250E-04 & 7.550E 00 & 5.991E-06 & 2.731E-05 \\ 8.9002E-01 & 1.541E-01 & 2.961E-03 & 3.0302 00 & 4.202E-03 & 3.255E-04 & 7.80E 00 & 9.576E-06 & 2.731E-05 \\ 8.9002E-01 & 1.525E-01 & 3.377E-03 & 3.0302 00 & 4.202E-03 & 3.255E-04 & 7.780E 00 & 9.91E-06 & 2.039E-05 \\ 9.375E-01 & 1.2525E-01 & 3.317E-03 & 3.0302 00 & 4.252E-03 & 4.015E-04 & 7.9002 00 & 7.710E-06 & 1.659E-05 \\ 9.375E-01 & 2.255E-01 & 3.317E-03 & 3.1502 00 & 4.275E-03 & 3.641E-04 & 8.0208 00 & 1.124E-05 & 1.677E-05 \\ 9.6255E-01 & 2.715E-01 & 4.597E-03 & 3.270E 00 & 4.093E-03 & 3.641E-04 & 8.0208 00 & 1.124E-05 & 1.529E-05 \\ 1.072E 00 & 2.809E-01 & 4.579E-03 & 3.270E 00 & 4.093E-03 & 3.247E-04 & 8.260E 00 & 1.683E-05 & 1.204E-05 \\ 1.0051E 00 & 3.320E-01 & 3.300 0 0 & 3.450E-03 & 3.247E-04 & 8.260E 00 & 1.683E-05 & 1.204E-05 \\ 1.0631E 00 & 3.260E-01 & 4.569E-03 & 3.300E 00 & 3.492E-03 & 3.3242E-04 & 8.500E 00 & 1.483E-05 & 1.529E-05 \\ 1.0631E 00 & 3.260E-01 & 5.222E-03 & 3.450E 00 & 3.3242E-04 & 8.500E 00 & -1.898E-05 & 9.591E-06 \\ 1.1021E 00 & 2.667E-01 & 2.5521E-03 & 3.510E 00 & 2.531E-03 & 3.312E-04 & 8.860E 00 & -3.879E-06 & -6.641E-06 \\ 1.1022 00 & 2.667E-01 & 2.642E-03 & 3.500E 00 & 2.531E-03 & 3.3242E-04 & 8.980E 00 & -4.730E-06 & -5.631E-06 \\ 1.102E 00 & 1.467E-01 & 2.642E-03 & 3.500E 00 & 2.531E-03 & 3.3242E-04 & 8.980E 00 & -4.7392E-06 & -5.631E-06 \\ 1.372E 00 & 5.202E-02 & 3.6402E-03 & 3.630E 00 & 2.531E-03 & 3.330E-04 & 9.300E 00 & -4.7392E-06 & -5.631E-06 \\ 1.372E 00 & 5.630E-02 & 2.604E-03 & 3.630E 00 & 2.531E-03 & 3.330E-04 & 9.300E 00 & -4.7392E-06 & -5.$	7.500E-01	5.421E-01	4.744E-03	2.625E 00	8.559E-03	6.873E-04	6.950E 00	-2.473E-05	-8.583E-05
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7.7002-01	5.398E-01	4.3681-03	2.675E 00	7.546E-03	5.899E-04	7.050F 00	-1.446E-05	-7.767E-05
8: 10 C P - C1 8: 0 T P - O3 4: 38 T P - O4 7: 20 C 00 4: 58 T P - O5 4: 92 C P - O5 4: 93 C P - O4 7: 50 C P O0 3: 93 C P - O5 3: 93 C P - O5 3: 93 C P - O5 4: 29 C P - O3 4: 29 C P - O3 4: 29 C P - O3 3: 95 C P - O5 4: 29 C P - O3 4: 29 C P - O3 4: 29 C P - O3 4: 95 C P - O5 5: 99 C P -	7.900E-01	4.912E-01	4.316E-03	2.725E 00	7.157E-C3	4.787E-04	7.150E 00	1.545E-05	6.131E-05
2. 3002-01 2. 5648-01 3. 6502-03 2. 8255 00 6. 3202-03 4. 474-04 7. 3502 00 5. 7412-03 3. 9320-05 8. 5007-01 2. 6548-01 3. 3172-03 2. 8755 00 5. 962-03 4. 2247-04 7. 4507 00 1. 4507 00 3. 1608-05 3. 3020-05 8. 9002-01 1. 1548-01 2. 9612-03 2. 9255 00 5. 4312-03 3. 9502-04 7. 6607 00 9. 5767-66 2. 3128-05 9. 3759-01 1. 3258-01 3. 3178-03 3. 0307 00 4. 2248-03 3. 4502-04 7. 6607 00 5. 9912-06 2. 3348-05 9. 6253-01 1. 7131-01 4. 2949-03 3. 1502 00 4. 1562-03 3. 4412-04 8. 1406 00 1. 5998-05 1. 5292-05 9. 6253-01 2. 2155-01 4. 9567-03 3. 2107 00 4. 1752-03 3. 4542-04 8. 1406 00 1. 5998-05 1. 5292-05 1. 0122 00 2. 8091-01 4. 5028-03 3. 3732 00 3. 4542-04 8. 3402 00 1. 6328-05 1. 2042-05 1. 2042-05 1. 2042-05 1. 2042-05 1. 2042-05 1. 2042-05 1. 2042-05 1. 2042-05 1. 2042-05 1. 2042-05 1. 2042-05 1. 20	8.10CE-C1	4.017E-01	4.1542-03	2.1751 00	6.877E-03	4,387E-04	7.2508 00	4.1568-05	4.9205-05
2.5002-01 2.6512-03 2.652-03 4.222-04 7.4302-00 3.652-03 3.932-03 8.7002-01 1.512-01 2.9502-03 2.9525-00 5.4312-03 3.6502-04 7.5505-00 9.5762-06 2.7312-05 9.3752-01 1.3252-01 3.3172-03 3.0902-00 3.9522-03 4.0152-04 7.6602-00 9.5762-06 2.7312-05 9.3752-01 1.3252-01 3.3172-03 3.0902-00 3.9522-03 4.0152-04 7.9002-00 7.7102-06 1.6592-05 9.3752-01 1.3252-01 4.9562-03 3.1502-00 4.9522-03 3.6412-04 8.00202-00 1.1242-05 1.6772-05 9.6752-01 2.7152-01 4.9562-03 3.1502-00 4.2252-03 3.6412-04 8.1002-00 1.5292-05 1.0122-00 2.8092-01 4.5792-03 3.2702-04 8.3612-04 8.2602-00 1.63272-05 1.03262-05 1.0327-05 1.03262-03 3.3902-00 3.4022-04 8.2602-00 1.5272-05 1.03262-05 1.0327-04 8.3602-00 1.5272-05 3.3302-04 8.5002-00 1.59272-05 1.03262-05 9.5912-06 1.2042-04 </td <td>8. 300E-01</td> <td>2.9646-01</td> <td>3.0002-03</td> <td>2.8258 00</td> <td>6.3202-03</td> <td>4,4742-04</td> <td>7.3502 00</td> <td>3 7000 06</td> <td>3.7955-05</td>	8. 300E-01	2.9646-01	3.0002-03	2.8258 00	6.3202-03	4,4742-04	7.3502 00	3 7000 06	3.7955-05
8.9002-01 1.1312-01 2.9002-03 2.912 00 4.9092-03 3.6502-04 7.6602 00 9.5762-06 2.0312-05 8.9002-01 1.1082-01 2.9502-03 3.0307 00 4.2242-03 3.5502-04 7.6602 00 5.9912-06 2.0328-05 9.3752-01 1.3252-01 4.3252-01 4.2342-03 3.5502-04 7.7802 00 5.9912-06 2.0328-05 9.6252-01 1.7131-01 4.2492-03 3.1502 00 4.1562-03 3.6412-04 8.0202 00 1.1242-05 1.6728-05 9.8752-01 2.2152-01 4.9562-03 3.2102 00 4.2932-03 3.4912-04 8.1402 00 1.5928-05 1.5292-05 1.0122 00 2.8991-01 4.5792-03 3.2302 00 3.4932-03 3.4712-04 8.2602 00 1.6832-05 1.2042-05 1.0372 00 2.8502-01 4.56262 03 3.3302 00 3.4902-03 3.2712-04 8.3802 00 1.5272-05 1.36222-05 1.0372 00 2.8502-01 4.56262 03 3.34502 00 2.5312-03 3.2122-04 8.3802 00 1.5272-05 1.36222-05 1.122 00 2.8502-01 5.52222-03 3.5122-03	8.500F-01	2.0341-01	3.31/2-03	2.0/50 00	5 4318-03	3 9508-00	7.4305 00	1 8192-05	3.3925-03
6. 900E-01 1.138E-01 2.930E-03 2.930E-03 3.230E-03 3.230E-04 7.300E-00 2.930E-06 2.930E-05 9. 125E-01 1.325E-01 3.317E-03 3.0307E-00 4.232E-03 3.575E-04 7.708E-00 7.900E-00 7.710E-06 1.659E-05 9. 625E-01 1.713E-01 4.295E-03 3.507E-04 8.020E-00 1.724E-05 1.677E-05 9. 625E-01 2.215E-01 4.956E-03 3.210E 00 4.275E-03 3.454E-04 8.140E 00 1.599E-05 1.529E-05 1.012E 00 2.809E-01 4.579E-03 3.270E 00 4.275E-03 3.454E-04 8.140E 00 1.599E-05 1.529E-05 1.012E 00 2.809E-01 4.450E-03 3.270E 00 3.732E-03 3.450E-04 8.260E 00 1.527E-05 1.036E-05 1.204E-05 1.027E 00 3.200E-01 4.525E-03 3.400E-03 3.42E+04 8.500E 00 1.527E-05 1.036E-05 9.591E-06 1.036E-05 1.204E-05 1.626E 1.032E-03 3.310E-04 8.500E 0.5991E-06 -5	8.7005-01	1.4572-01	2 0502-03	2.7251 00	1.4312-03	3.9508-04	7.5501 00	9 5765-05	2 7318-05
3, 375E-01 1.225E-01 3.317E-03 3.090E 00 3.952E-03 4.015E-04 7.900E 00 7.710E-06 1.659E-05 6, 625E-01 1.713E-01 4.289E-03 3.150E 00 4.156E-03 3.641E-04 E.020E 00 1.124E-05 1.657E-05 1,012E 00 2.251E-01 4.956E-03 3.210E 00 4.275E-03 3.454E-04 8.140E 00 1.599E-05 1.529E-05 1,012E 00 2.809E-01 4.579E-03 3.27CE 00 4.093E-03 3.471E-04 8.260E 00 1.683E-05 1.204E-05 1,037E 0C 3.250E-01 4.559E-03 3.390E 00 3.480E-03 3.42EE-04 8.360E 00 1.683E-05 9.591E-06 1,063E 00 3.252E-03 3.450E 00 3.450E 00 3.31E-03 3.31E-04 8.60E 00 1.898-05 9.591E-06 1,012E 00 2.651E-01 3.550E 00 3.510E 00 2.631E-03 3.31E-04 8.60E 00 -3.879E-06 -6.641E-06 1,112E 00 1.605E-01 2.612E-03 3.550E 00 2.038E-03 3.315E-04 9.90E 00 -4.533E-06 -5.631E-06 1,162E 00 1.005E-01 2.612E-03	0, 10 58-01	1.1088-01	2.9618-03	3.0307.00	4.2248-03	3.9758-04	7.780 # 00	5. 9916-06	2-0398-05
3, 625 1, 7137-01 4, 2898-03 3, 1507 00 4, 1568-03 3, 6417-04 8, 0208 00 1, 1248-05 1, 6778-05 1, 6778-05 1, 6778-05 1, 6778-05 1, 6778-05 1, 5998-05 1, 5998-05 1, 5998-05 1, 5998-05 1, 5998-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 1, 2048-05 <td>9 3758-01</td> <td>1.3258-01</td> <td>3.317E-03</td> <td>3.090F 00</td> <td>3.9525-03</td> <td>4.019F-04</td> <td>7.900E 00</td> <td>7.7108-06</td> <td>1.659E-05</td>	9 3758-01	1.3258-01	3.317E-03	3.090F 00	3.9525-03	4.019F-04	7.900E 00	7.7108-06	1.659E-05
5. 875p-01 2.215p-01 4.956p-03 3.210p 00 4.275p-03 3.454p-04 8.140p 00 1.599p-05 1.529p-05 1.012E 00 2.809p-01 4.579p-03 3.270p 00 4.93p-03 3.471p-04 8.260p 00 1.683p-05 1.204p-05 1.012E 00 3.250p-01 4.4579p-03 3.370p 00 3.93p-03 3.471p-04 8.260p 00 1.683p-05 1.204p-05 1.037p CC 3.250p-01 4.4602r03 3.330p 00 3.577p-04 8.380p 00 1.572p-05 1.036p-05 9.591p-06 8.380p 00 1.592p-05 1.036p-05 9.591p-04 8.500p 00 1.199p-05 9.591p-06 8.241p-06 1.087p 00 2.467p-01 2.612p-03 3.510p 00 2.829p-03 3.311p-04 8.60p 00 -4.737p-06 -6.641p-06 1.137p 00 1.467p-01 2.612p-03 3.510p 00 2.312p-03 3.276p-04 8.980p 00 -4.737p-06 -5.631p-06 -5.631p-06 -5.631p-06 -5.631p-06 -5.631p-06 -5.432p-06	9 6258-01	1.7135-01	4.289E-03	3.150F 00	4.156E-03	3.641E-04	8.020E 00	1.124E-05	1.677E-05
1.012E 00 2.000F-01 4.579E-03 3.27CE 00 4.093F-03 3.471E-04 8.260F 00 1.683E-05 1.204E-05 1.037E CC 3.250F-01 4.460F-03 3.330E 00 3.793E-03 3.577E-04 8.380E 00 1.527E-05 1.036E-05 1.037E CC 3.250F-01 4.460F-03 3.390E 00 3.460F-03 3.242E-04 8.300E 00 1.527E-05 1.036E-05 1.067E 00 2.650F-01 5.222F-03 3.450P 00 3.517E-03 3.317E-04 8.60DE 00 1.187E-05 9.591E-06 1.204E-05 1.1122 00 2.617E-01 2.612E-03 3.510E 00 2.229E-03 3.3129E-04 8.60E 0 -4.539F-06 -5.631E-06 1.137E 00 1.467E-01 2.612E-03 3.630E 00 2.531E-03 3.310E-04 8.860E 0 -4.539F-06 -5.631E-06 1.182E 0C 1.649E-02 2.600E-03 3.630E 00 2.23E-03 3.152E-04 9.100E 0 -4.539F-06 -5.222E-06	9.8758-01	2.215E-01	4.956E-03	3.210E 00	4.275E-03	3.454E-04	8.140E 00	1.599E-05	1.529E-05
1.037E 0C 3.250E-01 4.460E-03 3.330E 0C 3.793E-03 3.577E-04 8.380E 00 1.527E-05 1.036E-05 1.063E 0C 3.20E-01 5.758E-03 3.390E 00 3.440E-03 3.42E-04 8.500E 00 1.189E-05 9.591E-06 1.063E 0C 2.450E-01 5.52E-03 3.450E 0C 3.151E-03 3.31E-04 8.620E 0C 6.4978E-06 9.622E-06 1.132E 0C 2.451E-01 2.552E-03 3.570E 0C 2.531E-03 3.276E-04 8.740E 0C 8.408E-05 -5.641E-06 1.162E 0C 1.405E-02 2.960E-03 3.630E 0C 2.304E-03 3.276E-04 8.740E 0C 8.424E-06 -5.631E-06 1.162E 0C 1.405E-02 2.960E-03 3.630E 0C 2.304E-03 3.15E-04 9.100E 0C -4.739E-06 -5.631E-06 1.237E 0C 5.4116-02 3.200E-03 3.690E 0C 1.232E 0C -5.32E-06 1.232E 0.2202E 0C -2.509E-06 <	1.012E 00	2.809E-01	4.579E-03	3.27CE 00	4.093E-03	3.471E-04	8.260E 00	1.683E-05	1.204E-05
1.0632.00 3.2002-01 5.7582-03 3.4902.00 3.4002-03 3.4202-04 8.5002.00 1.1898-05 9.5912-06 1.0632.00 2.8507-01 5.2222-03 3.4502.00 3.1512-03 3.3122-04 8.6022.00 6.4978-06 9.8622-06 1.1122.00 2.61671-01 2.5527-03 3.5102.00 2.8292-03 3.3292-04 8.7401.00 8.0092-07 8.2412-06 1.1522.00 1.0057-01 2.6122-03 3.5702.00 2.5312-03 3.3762-04 8.8602.00 -4.7702-06 -5.6312-06 1.1622.00 1.0057-01 2.6122-03 3.6302.00 2.0028-03 3.1526-04 8.9602.00 -4.7702-06 -5.6312-06 1.1882.0C 7.(492-C2 2.9602-03 3.6302.00 2.038-03 3.1532-04 9.1002.00 -4.7592-06 -5.2228-06 1.2372.00 5.6412-02 3.6002.03 3.7502.00 2.0238-03 3.132-04 9.3002.00 -1.3348-07 -4.4862-06 1.2372.00 5.2022-02 2.0012-03 3.8102 01 1.8572-03 3.2912-04 9.6102.00 -1.3348-07 -4.8620-66 1.2622.00 5.2022-02	1.0372 00	3.250E-01	4.460E-03	3.330E 00	3.793E-03	3.577E-04	8.380E 00	1.527E-05	1.036E-05
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.063E 00	3.3C0E-C1	5-758E-03	3.390E 00	3.480E-03	3,42 E E-04	8.500E 00	1.1898-05	9.591E-06
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.087E 00	2.850F-C1	5.222E-03	3.450P 00	3.151E-03	3.311E-04	8.620E 00	6.497E-06	9.862E-06
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.112E 00	2.167E-01	3.5521-03	3.510E 00	2.829E-03	3.329E-04	8.740E CO	8.009E-07	8.241E-06
1.1622 00 1.005F01 2.613E-03 3.630F 00 2.304E-03 3.276E-04 8.980E 00 -4.770E-06 -5.631E-06 1.188E 0C 7.049F-02 2.960E-03 3.690E 00 2.168E-03 3.151E-04 9.100E 00 -4.533E-06 -5.431E-06 1.272E 00 5.641F-02 3.200E-03 3.750E 00 2.023E-03 3.134E-04 9.200E 00 -2.509E-06 -5.322E-06 1.262E 00 5.200E-02 2.001FE-03 3.810E 00 1.857E-03 3.330E-04 9.300E 00 -1.334E-07 -4.466E-06 1.262E 00 5.200E-02 2.607E-03 3.670E 00 1.675E-03 3.291E-04 9.470F 00 5.797E-07 5.275E-06 1.262E 00 5.630F-02 2.607E-03 3.930F 00 1.625E-03 3.249E-04 9.610E 00 3.249E-06 4.841E-06 1.315E 00 6.517E-02 3.990F 00 1.573F-03 3.224E-04 9.750E 00 3.959E-06 5.627E-06 1.315E 00 6.159F-02 2.268E-03 3.990F 00 1.573F-03 3.224E-04 9.750E 00 3.959E-06 5.627E-06 1.315E 00 6.159F-02 2.268E-03 3.990	1.137E 00	1.467E-01	2.612E-03	3.570E 00	2. . 531E- 03	3.310E-04	8.860E 00	-3,879E-06	-6.641E-06
1. 1882 CC7. (492F-C22.9607-033. (5902 002.1687-033. (512F-049.1002 00 $-4.5392F-06$ $-5.4225E-06$ 1. 227E 005. (411F-023.2001F-033.570E 002.028F-033.131E-049.2020 00 $-2.5992+06$ $-5.3222E-06$ 1. 237E 005. 134F-023.001F-033.810E 001.857E-033.330E-049.300E 00 $-1.3348-07$ $-4.486E-06$ 1. 262E 005. 2002F-022.7892-033.670E 001.715E-033.291E-049.470E 005.797F-075.275E-061. 287E 005. 2002F-022.607E-033.990E 001.625E-033.292F-049.610E 003.249F-064.841E-061. 287E 006. 517E-022.664E-033.990E 001.573F-033.228F-049.610E 003.959E-065.480E-061. 345E 007.155F-022.568E-034.990E 001.573F-033.296E-049.890E 004.711E-065.480E-061. 345E 007.155F-022.268F-034.110E 001.487E-033.090E-049.890E 004.711E-065.480E-061. 345E 009.1455F-022.208F-034.170E 001.387E-033.031E-041.003E 014.8702-064.7202-061. 405E 009.1425F-022.439F-034.240E 001.237E-033.031E-041.031F 016.944E-068.905E-061. 465F 0C1.621E-012.467E-034.3202 001.125E-033.152F-041.045E 017.816E-061.067E-051. 495E 001.624E-012.247FE-034.302E 001.074E-033.174E-	1.162% 00	1.005E-01	2.613E-03	3.630E 00	2.304E-03	3.276E-04	8.980E 00	-4.770E-06	-5.631E-06
1. 212E 00 5.641E-02 3.200E-03 3.750E 00 2.023E-03 3.13EP-04 9.2020E 00 -2.509E-06 -5.322E-06 1. 237E 00 5.134E-02 3.01E-03 3.810E 00 1.657E-03 3.30E-04 9.300E 00 -1.334E-07 -4.486E-06 1. 267E 00 5.200E-02 2.789E-03 3.67CE 00 1.715E-03 3.291E-04 9.470E 00 5.797E-07 5.275E-06 1. 267E 00 5.200E-02 2.607E-03 3.930E 00 1.625E-03 3.291E-04 9.470E 00 5.797E-07 5.275E-06 1. 287E 00 6.177E-02 2.607E-03 3.990E 00 1.573E-03 3.292E-004 9.610E 00 3.949E-06 4.841E-06 1.345E 00 7.15EF-02 2.527E-03 3.990E 00 1.573E-03 3.22EE-04 9.750E 00 3.959E-06 5.827E-06 1.345E 00 7.15EF-02 2.527E-03 4.050E 00 1.544E-03 3.090E-04 9.890E 00 4.711E-06 5.480E-06 1.345E 00 9.145E-02 2.210E-03 4.170E 00 1.387E-03 3.031E-04 1.003T 01 4.670E-06 7.168E-06 1.435E 00 9.142E-02 2.43	1.1882 CC	7.C49E-C2	2.960E-03	3.690E 00	2.168E-03	3.153E-04	9.100E 00	-4.539E-06	-5.425E-06
1,237E 00 5,134E-02 2,007E-03 3,810E 00 1,857E-03 3,330E-04 9,470E 00 -1,334E-07 -4,486E-06 1,267E 00 5,207E-02 2,697E-03 3,930E 00 1,675E-03 3,291E-04 9,470E 00 5,797E-07 5,2755E-06 1,287E 00 6,217E-02 2,684E-03 3,990E 00 1,573E-03 3,229E-04 9,610E 00 3,249E-06 4,841E-06 1,315E 00 7,15EF-02 2,5684E-03 3,990E 00 1,573E-03 3,229E-04 9,750E 00 3,959E-06 5,827E-06 1,375E 00 8,159F-02 2,527E-03 4,050E 00 1,544E-03 3,090E-04 9,890E 00 4,711E-06 5,480E-06 1,375E 00 9,145E-02 2,208E-03 4,110E 00 1,487E-03 2,963E-04 1,003E 01 4,870E-06 4,720E-06 1,405E 00 9,145E-02 2,439E-03 4,240E 00 1,237E-03 3,031E-04 1,017E 01 7,600E-06 7,166E-06 1,465E 0C 1,021E-01 2,467E-03 4,320E 00 1,125E-03 3,152E-04 1,045E 01 7,816E-06 1,067E-05 1,495E 00 1,039F-01 2,305E-03 4,400E 00 1,074E-03 3,174E-04 1,059E 01 8,622E-06 1,151E-05 1,525E 00 1,039F-01 2,305E-03 4,400E 00 9,839E-04	1.212E 00	5.641E-02	3.2COE-03	3.750E 00	2.023E-03	3.1362-04	9.2202 00	-2.5098-06	-5.322E-06
1.262E 00 5.2002-02 2.892-03 3.6702 00 1.7152-03 3.2912-04 9.400 00 5.7972-07 5.2752-00 1.2072 00 5.2002-02 2.6072-03 3.9302 00 1.6525-03 3.2952-04 9.6102 00 3.2952-06 4.8412-06 1.3152 00 6.5172-02 2.6842-03 3.9902 00 1.5737-03 3.2262-04 9.6702 00 3.9592-06 5.8278-06 1.3752 00 8.1597-02 2.2672-03 4.0502 00 1.5442-03 3.0302-04 9.8902 00 4.7112-06 5.4802-06 1.4052 00 9.1452-02 2.2102-03 4.1102 00 1.4872-03 2.9632-04 1.0032 01 4.8702-06 4.7202-06 1.4052 00 9.1452-02 2.4102-03 4.1702 00 1.3872-03 3.0312-04 1.0177 01 7.6002-06 7.1682-06 1.4652 00 1.6212-02 2.4392-03 4.3202 00 1.1252-03 3.0312-04 1.0177 01 6.9442-06 8.9052-06 1.4652 00 1.6212-02 2.44392-03 4.3202 00 1.1252-03 3.1522-04 1.0452 01 7.8162-06 1.0672-05 1.4952 00 1.6246-01 2.2472-03 4.4002 00 1.0742-03 3.1742-04 1.0592 01 8.6222-06 1.1512-05 1.5525 00 1.0395-01 2.3052-03 4.4002 00 9.8392-04 3.6492-04	1.237E 00	5.1342-02	3.0012-03	3-810E 00	1.85/E-03	3.3308-04	9.340E 00	-1.334E-07	-4.4868-06
1.287g CC 5.0302-02 2.007E-03 3.3302 00 1.025E-03 5.249E-04 9.0102 00 5.249E-06 4.041E-06 1.315E 00 6.171E-02 2.584E-03 3.9902 00 1.573E-03 3.22EE-04 9.750E 00 3.959E-06 5.827E-06 1.345E 00 7.15EE-02 2.527E-03 4.050E 00 1.544E-03 3.090E-04 9.890E 00 4.711E-06 5.480E-06 1.375E 00 8.159E-02 2.268E-03 4.110E 00 1.487E-03 2.963E-04 1.003E 01 4.870E-06 4.720E-06 1.405E 01 9.812E-02 2.2439E-03 4.110E 00 1.487E-03 2.963E-04 1.017E 01 7.600E-06 7.168E-06 1.435E 01 9.812E-02 2.439E-03 4.240E 00 1.237E-03 3.031E-04 1.031E 01 6.944E-06 8.905E-06 1.465E 01 1.246E-03 4.320E 00 1.1237E-03 3.152E-04 1.045E 01 7.816E-06 1.067E-05 1.495E 00 1.246FE-03 4.4002 00 1.074E-03 3.174E-04 1.045E 01 8.622E-06 1.151E-05 1.525E 00 1.039F-01 2.305F-03 4.4002 00 9.648E-04<	1.262E 00	5.2002-02	2.7898-03	3. E/CE 00	1. /158-03	3 24 18-04	9.4/01 00	3 7492-01	3.2/3E-06
1. 315E 00 2.131E 00 2.302E 00 3.395E 00 3.222E 00 3.395E 00 3.395E 00 3.002E 00 1. 345E 00 7.15EE 02 2.527E 03 4.050E 00 1.542E 03 3.090E 04 9.690E 00 4.711E 06 1.482E 06 1. 375E 00 8.159E 02 2.268E 03 4.110E 00 1.487E 03 2.963E 04 1.003E 01 4.4702 - 06 4.720E 06 1. 405E 00 9.145E 02 2.210E - 03 4.170E 00 1.387E - 03 2.943E - 04 1.017E 01 7.600E - 06 7.168E - 06 1. 405E 01 9.142E 02 2.439E 03 4.200E 00 1.237E - 03 3.031E - 04 1.031E 01 6.944E - 06 8.905E - 06 1. 465E 0C 1.6246E - 01 2.467E - 03 4.320E 00 1.125E - 03 3.152E - 04 1.045E 01 7.816E - 06 1.057E - 05 1.495E 00 1.039E - 01 2.305E - 03 4.400E 00 1.074E - 03 3.174E - 04 1.059E 01 8.622E - 06 1.151E - 05 1.525E 00 1.039E - 01 2.305E - 03 4.480E 00 9.839E - 04 3.049E - 04	1.28 /E UC	5.0302+02	2.00/E-03	3.9302.00	1.0205-03	3 22495-04	9.0101 00	3.2475-00	5 8278-06
1. 3372 00 6.1591-02 2.2682-03 4.102 00 1.4872-03 2.9632-04 1.0032 01 4.8702-06 4.712202-06 1.4052 00 9.1451-02 2.2102-03 4.1702 00 1.4872-03 2.9432-04 1.0172 01 7.6002-06 7.1682-06 1.4052 00 9.1451-02 2.4392-03 4.2002 00 1.2372-03 3.0312-04 1.0312 01 6.9442-06 8.9052-06 1.4652 00 1.0212-01 2.4672-03 4.3202 00 1.1252-03 3.1521-04 1.0452 01 7.8162-06 1.0572-05 1.4952 00 1.0232-01 2.2472-03 4.4002 00 9.8392-04 3.0492-04	1.3158 00	7 1565-02	2.004L=U3	0.050x 00	1 5448-03	3 0905-04	9.8907 00	4 7118-06	5.4808-06
1. 405 E 00 0. 105 E 01 1. 100 E 00 1. 307 E 03 1. 017 E 01 1. 017 E 01 1. 010 E 01 1. 017 E 01	1 3758 00	A 1598-02	2.2688-03	4.1108.00	1_487F-03	2.9638-04	1.0037 01	4-8702-06	4.7208-06
1.435F 0(9.812F-02 2.439E-03 4.240F 00 1.237E-03 3.031E-04 1.031F 01 6.944E-06 8.905E-06 1.465F 0C 1.621E-01 2.467E-03 4.320E 00 1.025E-03 3.152E-04 1.045E 01 7.816E-06 1.057E-05 1.495E 0C 1.646E-01 2.247E-03 4.400E 00 1.074E-03 3.174E-04 1.059E 01 8.622E-06 1.151E-05 1.525E 00 1.039F-01 2.305F-03 4.480E 00 9.839E-04 3.049E-04	1 4058 00	9 1857-07	2. 210 E-03	4,1707 00	1-3872-03	2.943E-04	1.017E 01	7.600E-06	7.168E-06
1.465P 0C 1.027P-01 2.467P-03 4.320P 00 1.125P-03 3.152F-04 1.045P 01 7.816P-06 1.057P-05 1.495P 0C 1.046F 01 2.247P-03 4.400P 00 1.074P-03 3.174P-04 1.059P 01 8.622P-06 1.151P-05 1.525P 00 1.039P-01 3.305P-03 4.480P 00 9.839P-04 3.049P-04	1.43 5 8 00	9.8128-02	2.4398-03	4. 240E 00	1.237E-03	3.031E-04	1.031E 01	6.944E-06	8.905E-06
1.495E 00 1.046E-01 2.247E-03 4.400E 00 1.074E-03 3.174E-04 1.059E 01 8.622E-06 1.151E-05 1.525E 00 1.039E-01 2.305E-03 4.480E 00 9.839E-04 3.049E-04	1.4657 80	1.0238-01	2.467E-03	4.320E 00	1.1252-03	3.1521-04	1.0458 01	7.816E-06	1.057E-05
1.5255 00 1.0397-01 2.3057-03 4.4807 00 9.8397-04 3.0492-04	1.495E 00	1.0461-01	2.2478-03	4.400E 00	1.074E-03	3. 174E-04	1.059E 01	8.622E-06	1.151E-05
	1.525E 00	1.0391-01	2. 305E-03	4.480E 00	9.839E-04	3.049E-04			

PHOTON ENEFG (ME	Y INTERVAL V)	X-SECTION (B/SR)	ERROR (B/SR)
3.0002-01 -	4.000E-01	1.589E-02	1.062E-03
4.000E-01 -	5.000%-01	1.117E-02	1.005E-03
5.000E-01 -	6.000E-01	1.711E-02	5.600E-04
6.000E-01 -	7.0008-01	3.981E-02	5.887E-04
7.000E-01 -	8.000E-01	5.103E-02	4,6672-04
8.000E-01 -	1.000E 00	3.929E-02	7.2982-04
1.000E 00 -	1.200E 00	4.383E-02	7.929E-04
1.200g 00 -	1.400E 00	1.280 E-02	5.359E-04
1.400E 00 -	1.600E 00	1.963E-02	4.6498-04
1.60CF 00 -	1.800E 00	9.830E-03	2.759E-04
1.800F 00 -	2.000E 00	4.276E-03	2.048E-04
2.000E 00 -	2.500g 00	5.924E-03	3.719E-04
2.500E 00 -	3.000E 00	3.586E-03	2.588E-04
3.000F 00 -	3.5008 00	1.927E-03	1.800E-04
3.500E 00 -	4.000E 00	1.028E-03	1.6275-04
4.000E 00 -	4.500E 00	6.312E-04	1.536E-04
4.500E 00 -	5.000E 00	2.755E-04	1.4352-04
5.00CE 00 -	6.000F 00	2.5628-04	2.543E-04
6.000E 00 -	7.0003 00	1.686E-05	2.485E-05
7.000E 00 -	8.000E 00	1.8935-05	2.304 E-05
8.000E 00 -	9.000g 00	8.176E-06	7.846E-06
9.000F 00 -	1.000E 01	8.930E-07	1.114E-06

DIFFERENTIAL CRCSS SECTIONS FOR GAMMA BAY PRODUCTION IN TH. THE FIRST SET CF NUMBERS IS THE LOUPLY DIFFERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GAMMA RAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GAMMA RAY ENERGY INTERVALS. THIS SECOND SET RESULTS FROM INTEGRATION OF THE DOUBLY DIFFERENTIAL CATA. THE UNCERTAINTIES ARE GIVEN IN THE SAME UNITS AS THE LATA AND DO NOT INCLUDE AN ESTI-RATED 10 PERCENT EPROR IN AESCLUTE NORMALIZATION.

INCIDENT NEUTRON ENERGY = 2.00 TO 2.50 MEV. ANGLE = 125 DEGREES.

PRCTCN PNERGY	X-SECTION	EFROF	PHOTCN ENERGY	X-SECTION	ERBOR	PHOTON ENERGY	X-SECTION	ERROR
(MEV)	(E/SR/MEV)	{E/SB/MEV}	(M 2 V)	(B/SR/MEV)	(B/SR/MEV)	(M E V)	(B / SR / ME V)	(B/SR/NEV)
3 07ER 01	1 6165-01	1 7778-07	1 5557 00	1 627 8-01	# 530F-03	4.5608.00	4.2938-04	3-6558-04
3.0758-01	1.9223-01	1.537E-02	1.585E 00	1.570E-01	4.140E-03	4.640E 00	6.5868-04	3-564E-04
3.3758-01	2-2091-01	1.447E-02	1.615E 00	1.479E-01	3.618E-03	4.720E 00	7.4801-04	3.761E-04
3. 52 57-01	2-2988-01	1. 3925-02	1.645E 00	1.397E-01	3.2928-03	4.800E 00	7. 195E-04	3.671E-04
3.6752-01	2.201E-01	1.331E-02	1.680F 00	1.334E-01	3.027E-03	4.880E 00	6.162E-04	3.6 1 9E-04
3.8252-01	2.0321-01	1.3168-02	1.720E 00	1.302E-01	2.77CE-03	4.960E 00	5.271E-04	3.663E-04
3.975F-01	1.8481-01	1. 266E-02	1.760E 00	1.297E-01	2.606E-03	5.040E 00	4.888B-04	3.730E-04
4.1252-01	1.659E-01	1.269E-02	1.8COE 00	1.297E-01	2.512E-03	5.120E 00	4,460 E-04	3-7582-04
4.275E-C1	1.537E-01	1.311E-02	1.840F 00	1.26 1E-01	2.364E-03	5.200E 00	3.6988-04	3.853E-04
4.425E+01	1.4E1E-01	1.335E-02	1.880E 00	1.1672-01	2.2948-03	5.280F 00	2.4446-04	3.821E-04
4.575E-01	1.474E-01	1,360E-02	1.920E 00	1.033E-01	2.107E-03	5.360g 00	1.334E-04	3-248E-04
4.725E-01	1.5611-01	1. 344E-02	1.960E 00	8.8458-02	1.8/58-03	5.4401 00	1.15/8-05	3.2468-04
4.875E-01	1.700E-01	1.23/E-02	2.000F 00	7.334E-02	1.0236-03	5.5202 00	0. 665 7-04	3.4202-04
5.025E-01	1.8442-01	0.05/2-02	2.0401.00	3.9372-02 # 7818-00	1 3055-03	5 6807 00	3 7808-04	3.6018-04
5.1/5E-01	2.0038-01	9.000E-00	2 1205 00	3 960 E=02	1 3458-03	5.7608 00	3.8738-04	3.5288-04
5.3256-41	2.7552-07	7 7525-07	2.120E 00	3 45 18-02	1.2248-03	5.8501 00	2.7708-04	2.9818-04
5.4/52-01	2.2101-01	7 2228-03	2.200F 00	3-020E-02	1.0758-03	5.9501 00	1. 3245-04	2-8348-04
5.0255-01	2.6895+01	7.4918-03	2.2407 00	2.486E-02	9-8395-04	6.050E 00	1.159E-05	2-970E-04
5-925F-01	3-219E-01	E.203E-03	2.280E 00	1.916E-02	9.404E-04	6.150E 00	-4. 324E-05	-2-912E-04
6.100E-01	3.8891-01	8.440E-03	2.320E 00	1.456E-02	8.949E-04	6.250E CO	-6.490E-05	-2.592E-04
6.300E-01	4.434E-01	8.574E-03	2.360E 00	1.163E-02	8.373E-04	6.350F 00	-3.642E-05	-2.244E-04
6.500E-01	4.719E-01	8.288F-03	2.4COE 00	9.944E-03	7.5168-04	6.450E 00	1.269E-05	2 - 04 4 E- 04
6.70CE-01	4.8342-01	7.708E-03	2.440E 00	8.943E-03	7.263E-04	6.550E 00	4.447E-05	1.831E-04
6.9002-01	4.929E-01	7.258E-C3	2.480F 00	8.379I-03	7.785E-04	6.650E 00	3.246E-05	1-577E-04
7.100E-01	5.217E-01	€.899E-03	2.525E 00	8.299E-03	8-443E-04	6.750E 00	2.098E-05	1.406E-04
7.300E-01	5.603E-01	6.680E-03	2.575E 00	8.257E-03	9.025E-04	6.850E 00	7.630E-05	1.315E-04
7.500E-01	5.843E-01	6.648E-03	2.6258 00	7.676E-03	8-575E-04	6.950E 00	1.6232-04	1-1652-04
7.700E-C1	5.802E-01	6.330E-03	2.675F 00	7.152E-03	7.6078-04	7.050E 00	1.980E-04	9.9042-05
7.900F-01	5.374E-01	6.1948-03	2.7252.00	1.0522-03	6.0751-04	7.1502.00	0 3368-04	7.437E-UD
8.100E-01	4.5/11-01	5.010E+03	2.7751 00	6.7335-03	5.3201-04	7 3505 00	0.3306-05	5 1/22-05
8.300E-01	3.61/1-01	5.4101-03	2.0251 00	5 2692-03	5 0838-04	7 8505 00	2 5611-05	4 981 F-05
8.300E-01	2.7851-01	A 7718-03	2.9257.00	5.0958-03	4.9058-04	7.550F 00	2.8518-05	4-5308-05
P 900E-01	1 0178-01	4.8028-03	2.975F 00	4-575F-03	4.976E-04	7.6602 00	9.273E-06	3.417E-05
9.1268-01	1.8685-01	4.821E-03	3.030E 00	3.8882-03	5.0972-04	7.780E 00	-1.422E-05	-2.814E-05
9.3758-01	2.1171-01	5.121E-03	3.090E 00	3.478E-03	4.972E-04	7.900E 00	-1.413E-05	-2.683E-05
9.625E-01	2.5361-01	6.365E-03	3.15CE 00	3.480E-03	4.6525-04	8.020E 00	-3.652E-07	-2.230E-05
9. E75E-C1	3.002E-01	7.457E-03	3.210E 00	3.437E-03	4.380E-04	8.140E 00	2.202E-05	1.876E-05
1.012E 00	3.49EE-01	6.994E-03	3.2701 00	3.119E-03	4.279E-04	8.260E 00	3. 352E-05	1.868E-05
1.037E 00	3.8582-01	6.921E-03	3.330E 00	2.628 g-03	4.5652-04	8.380F 00	2.485E-05	1.367E-05
1.063E 00	3.854E-01	8.555E-03	3.390E 00	2.170E-03	4.633E-04	8.500F 00	1.647E-05	9.924E-06
1.087E 00	3.353E~01	7.853E-03	3.45CE 00	1.9292-03	4,561E-04	8.620F 00	6. / 59 E-06	9.7532-06
1.112E CC	2.633E-01	5.741E-03	3.510E 00	1.9032-03	4.3442-04	8.740E 00	3.051E+07	1.1/25-05
1.137E 00	1.913E-01	4.5228-03	3.5701 00	2.037E-03	4.2032-04	8.8602 00	3.2915-06	6 6158-06
1.162E 00	1.4141-01	4.5472-03 5 0125-03	3.6302 00	2.2298-03	4.000E-04	9 1001 00	1 5428-06	7 0908-06
1.188E 00	1.0531-01	5.0112-03	3 75 CF 00	2.2382-03	3 9158-04	9 220 5 00	-2 1725-08	-6.0918-06
1.2128 00	8.3901~02 7.325F-02	5 6538-03	3 8105 00	1 9238-03	4.054F-04	9.3407 00	-1.813E-06	-6.770E-06
1 26 28 00	7 8518-02	5.1968-03	3.8708 00	1.970 -07	4.1687-04	9.470E 00	- 1. 517E-06	-6.634E-06
1 2878 00	7 6735-02	4.8578-03	3.930E 00	2.0492-03	4.2972-04	9.610E 00	3.102E-07	6.340E-06
1.315E 00	8.2211-02	4.958E-03	3.990E 00	1.931E-03	4.243E-04	9.750£ 00	7.578E-07	5.023E-06
1.345E 00	9.3331-02	4.679F-03	4.050E 00	1.659E-03	3.985E-04	9.890E 00	8.175E-07	3.965E-06
1.3751 CC	1.085E-01	4.2228-03	4.110E 00	1.4622-03	3.878E-04	1.0031 01	1. 108E-06	4.132E-06
1.405F CC	1.2282-01	4.047E-03	4,170E 00	1.438 2-03	3.904E-04	1.017E 01	7.513E-07	6.018E-06
1.435E OC	1.342E-01	4.427E-03	4.240E 00	1.378E-03	3.872E-04	1.031E 01	6.310E-07	7.834E-06
1.465E 00	1.450E-01	4.450E-03	4.320E 00	9.279E-04	3.910E-04	1.045F 01	1.916E-06	1.247E-06
1.495E 00	1.553E-01	4. 134E-03	4.4COE 00	3.950E-04	4.156E-04	1.059E 01	2.#51E-06	0.923E-06
1.525E 0C	1.621E-01	4.3528-03	4.480E 00	2.443E-04	3.9442-04			

INTEGRATED DATA

PHOTON ENERGY INTERVAL	X-SECTION	ERROR
(NEV)	(E/S 8)	(B/SR)
3.000E-01 - 4.000E-01	2.012E-02	1.443E-03
4.000E-01 - 5.000E-01	1.592E-02	1.299E-03
5.000E-01 - 6.000E-01	2.382E-02	e.463e-04
6.000E-01 - 7.000E-01	4.559E-02	8.050E-04
7.000E-01 - 8.000E-01	5,5612-02	6.549E-04
8,000E-01 - 1.000E 00	5.412E-02	1.112E-03
1.0008 00 - 1.2008 00	5.390E-02	1.262E-D3
1.200E 00 - 1.400E 00	1.759E-02	9.960E-04
1.400E 00 - 1.600E 00	2.996E-02	8.632E-04
1.600E 00 - 1.800E 00	2.697E-02	5.949E-04
1.800E 00 - 2.000E 00	2.149E-02	4.288E-04
2.00CE 00 - 2.500E 00	1. 377E-02	5.291E-04
2.500E 00 - 3.000E 00	3.318E-03	3.280E-04
3.000E 00 - 3.500E 00	1.487E-03	2.316E-04
3.500E 00 - 4.000E 00	1.027E-03	2.061E-04
4.00CE 00 ~ 4.500E 00	5.410E-04	1.984E-04
4.500E 00 - 5.000E 00	3.021E-04	1.832E-04
5.000E 00 - 6.000E 00	2.748E-04	3.445E-04
6.000E 00 - 7.000E 00	2.208E-05	4.039E-05
7.00CE 00 - 8.000E 00	5.015E-05	3.410E-05
8.00CE 00 - 9.000E 00	1.333E-05	1.025E-05
9.000E 00 - 1.000E 01	1.6242-07	E.937E-07

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DIFFERENTIAL CRCSS SECTIONS FOR GAMMA RAY PRODUCTION IN TH. THE FIRST SET OF NUMBERS IS THE DOUBLY DIFFERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GAMMA RAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GAMMA RAY ENERGY INTERVALS. THIS SECOND SET RESULTS FROM INTEGRATION OF THE DOUBLY DIFFERENTIAL DATA. THE UNCENTAINTIES ARE GIVEN IN THE SARE UNITS AS THE DATA AND DO NOT INCLUDE AN ESTI-MATED 10 PERCENT ERROR IN AESOLUTE NORMALIZATION.

INCIDENT NEUTRON ENERGY = 2.50 TO 3.00 MEV. ANGLE = 125 DEGREES.

PROTON ENERGY	I-SECTION	ERROR	PHOTON ENERGY	X-SECTION	ERROR	PHCTON ENERGY	X-SECTION	ERROR
(# EV)	(0/38/024)	(5/38/824)	(224)	(5/ 5 8/ 1 1 4)	(6/58/824)	(154)	(B/ 58/ HE V)	(D/SX/4EV)
3.075E-01	2.004E-01	2.218E-02	1.555E 00	1.704E- 01	6.007E-03	4.560E 00	4.613E-04	5.119E-04
3.225E-01	2.210E-01	2.041E-02	1.585E 00	1.620E-01	5.52 ef-03	4.640E 00	4.874E-04	4.906E-04
3.375E-01	2.334E-01	1.9608-02	1.615E 00	1.514E-01	4.904E-03	4.720E 00	6.138E-04	4.717E-04
3.525E-01	2.364E-01	1.885E-02	1.645E 00	1.430E-01	4.457E-03	4.800E 00	7.959E-04	4.563E-04
3.675E-01	2.315E-01	1.790E-02	1.680E 00	1.389E-01	4.1928-03	4.880E 00	7.897E-04	5.066 E-04
3.825E-01	2.237E-01	1.714E-02	1.720E 00	1.375E-01	4.1798-03	4.960E 00	6.210E-04	4,759E-04
3.975E-01	2.105E-01	1.662E-02	1.760E 00	1.364E-01	4.161E-03	5.040E 00	3.911E-04	4.6532-04
4.125E-01	1.9361-01	1.631E-02	1.800E 00	1.373E-01	3.9672-03	5.120E 00	1.959E-04	4.672E-04
4.275E-01	1.785E-01	1.7142-02	1.8402 00	1.376E-01	3.8088-03	5,2001 00	3,809E-05	4.5428-04
4.425E-01	1.718E-01	1.7712-02	1.8808 00	1.3448-01	3.8778-03	5.280E 00	~ 1. 302E-04	-4-352E-04
4.575E-C1	1.7098-01	1.769E-02	1. 920E 00	7.2892-01	3.6395-03	5.360E 00	-1.266E-04	+4.721E+04
4.7252-01	1./318-01	1.7738-02	1.960E 00	1.2082-01	3.28/1-03	5.4405 00	- 5. 5858-05	-3.9308-04
4.8/55-01	1.0432-01	1.61#8-02	2.0000 00	1 0102-01	2.3045-03	5 6007 00	3.3342-00	4.1448-04
5.0258-01	2.0451-01	1.5141-02	2.0402.00	0.6178-00	2.00000-03	5,6001 00	7.0035-05	4 071 2 04
5.1/58-01	2.24/1-01	1.3376-02	2.0000 00	9.0175-02	2.1046-03	5 7607 00	1.0782-03	4.2712-04
5,3252-07	2.4212-01	1 0648-02	2. 120 00	9.3736-02	2.0145-03	5 450% 00	1 2078-04	4. 10 3E-04
5.4758-01	2.2346-01	6 7198-02	2.1602.00	8 77 28-02	2 28 38-03	5 9502 00	1 3112-04	3 255 8-04
5.0202-01	3 0395-01	9.6958-03	2.2002 00	7 9692-02	2.2032-03	6 0501 00	1 7238-04	3 8158-04
5.0758-01	3.0591-01	1 0548-02	2 2808 00	5 4278-02	1.0982-03	6-150T 00	1.3655-04	3 1398-04
6 1005-01	4 0757-01	1 1188-02	2 3205 00	5 8857-02	1.8368-03	6.250 F 00	2 0 27 8-04	3 0498-04
6 3008-01	4.5762-01	1.1168-02	2.360F 00	5.0218-02	1.6507-03	6.3502.00	1.5118-04	2.8728-04
6 5008-01	4-720F-01	1.1038-02	2.4008.00	4.3748-02	1.4958-03	6-#508 00	3.0628-05	2.6428-04
6 700F-01	4-727F-01	1.0115-02	2.440F 00	3.8828-02	1.3682-03	6.5501 00	-1.587E-04	-2-4108-04
6 900E-01	4.8212-01	9.240E-03	2.480E 00	3.4428-02	1.306E-03	6.6502 00	-3.220E-04	-2.247E-04
7.100F-01	5.105E-01	8.940E-03	2.5252 00	3.0148-02	1.3742-03	6.7502 00	-3.9848-04	-2.180E-04
7.3008-01	5.40CE-01	£.929E-03	2.575E 00	2.7172-02	1.5051-03	6.850 2 00	-3.516E-04	-1.908E-04
7.500E-01	5.510E-01	8.885E-03	2.625E 00	2.4132-02	1.4202-03	6.950g 00	-1.337E-04	-1.760E-04
7.700E-01	5.434 E-01	8.238E-03	2.675E 00	1.8592-02	1.1802-03	7.0501 00	1.071E-04	1.479E-04
7.900E-01	5.1072-01	7.9591-03	2.7258 00	1.2282-02	9.171E-04	7.150 t 00	2.551E-04	1.180E-04
8.100F-C1	4.458E-01	7.895E-03	2.7752 00	7.7792-03	7.810E-04	7.2501 00	2.889E-04	1-045E-04
8.300E-01	3.6228-01	7.2742-03	2.8258 00	5.3702-03	7.5721-04	7.350E 00	2.469E-04	8-524E-05
8.500E-01	2.8435-01	6.0128-03	2.875E 00	3.9802-03	7.354E-04	7.450g 00	1.819E~04	7.339E-05
8.700E-01	2.2831-01	6.5#3 2- 03	2.925E 00	3.1312-03	6.930E-04	7.5501 00	1.017E-04	5.979E-05
8.900E-01	1.9932-01	6.4812-03	2.9758 00	3.0068-03	6.9325-04	7.6601 00	2.610E-05	5.055E-05
9.125F-01	1.955E~01	6.401E+03	3.0302 00	3.5468-03	6.446E-04	7.780E 00	-2.910E-05	-4.604E-05
9.375E-01	2.166E-C1	6.761E-03	3.0908 00	3.8032-03	5.9911-04	7.9002 00	-3.6282-05	-3.846E-05
9.625E-01	2.545E-01	8.245E-03	3.150E 00	3.3838-03	6.0318-04	B.020E 00	-1.353E-05	-3.040E-05
9.875E-01	3-053E-01	9.4182-03	3.2108 00	2.9398-03	6.068E-04	8. THUE 00	1.3898-06	2.681E-05
1.012E 00	3.6241-01	9.1012-03	3.27CE 00	2-7268-03	5.323E-V4	8.260E UU	1. 3218-06	2.7602-05
1.0372 00	4.0232-01	8.966F-03	3. 330E 00	2-6802-03	5.091E-04	8. JBUL UU	1.3326-05	2-4865-05
1.063E 00	4.0632-01	1.0888-02	3.390E 90	2.6972-03	5.7291-04	8.500E 00	1.0096-05	2.3535-05
1.08/E 00	3.6232-01	7 6698-03	3.4301 00	2.0005-03	5 8628-04	8.8205 00	1.4305-05	2.0412-05
1.1125 00	2. 300 2-01	7.000E-03	3 5700 00	2.4941-03	5 7578-04	8 860T 00	2 109 5-05	2 2 7 7 7 1 1 - 05
1 16 28 00	2.2042-01	6 19NR-03	3.5705 00	2.3912-03	5 8748-04	8 980 5 00	2 579 8-07	2 3058-05
1 1022 00	1 0728-01	7 4248-03	3 6905 00	1 59 38-03	6 03CF-04	9.1007.00	2 6798-07	2.3052-05
1 11 28 00	1 2035-01	8 1318-03	3 7505 00	1.295 -03	6 0208-04	9.2208 00	4-6958-06	2-1318-05
1 2370 00	1.1915-01	7.7278-03	3.8107.00	1.209E-03	5-822E-04	9.340F 00	9.284E-06	2.2858-05
1 2575 00	1 164 8-01	7 0391-03	3.87CF 00	1.126E-03	5-965E-04	9.470F 00	1.405F-05	2.351F-05
1.2838 00	1.191E-01	6-5532-03	3.930E 00	9.9088-04	6.229E-04	9.610E 00	1.811E-05	2.726E-05
1. 3158 00	1.2438-01	6-9018-03	3.9908 00	8.375E-04	6.045E-04	9.750E 00	1.539E-05	2.668E~05
1. 345E 00	1.303E-01	6.5832-03	4.050E 00	7.047E-04	5.819E-04	9.890E 00	1.869E-05	2.490E-05
1. 375E 00	1.3691-01	6.085E-03	4.110E 00	7.497E-04	5.622E-04	1.0037 01	2.043E-05	2.166E-05
1.405E 00	1,436E-01	5.943E-03	4.170E 00	1.039E-03	5.578E+04	1.017E 01	1.823E-05	2.154E~05
1.4358 00	1.510E-01	6.229E-03	4.240E 00	1.443E-03	5.364E~04	1.031E 01	1.201E-05	3.144E-05
1.465E 00	1. 6C3E-01	6.068E-03	4.320E 00	1.404E-03	5.439E-04	1.045E 01	1.896E-05	3.114E-05
1.495E 00	1.650E-01	5.662E-03	4.400E 00	9.2342-04	5.766E-04	1.059E 01	2.162E-05	3.202E-05
1.525E 00	1.730E-01	5.898E-03	4.480E 00	5.712E-04	5.381E-04			

PHOTON ENE	FG	Y INTERVAL	X-SECTION	ERROR
(ΗE	¥)	(B/SR)	(B/SR)
3.000E-01	•	4.000E-01	2.230 E-02	1.912E-03
4.000E-01	-	5.000E-01	1.8112-02	1,712E-03
5.000E-01	-	6.000E-01	2.691E-02	1.1398-03
6.000E-01	-	7.0002-01	4.582E-02	1.053E-03
7.000E-01	-	8.000E-01	5.304F-02	8.594E-04
8.000F+01	-	1.000E 00	5. 479E-02	1-469E-03
1.0005.00	-	1-200E 00	5-962E-02	1-655E-03
1.200E 00	-	1.400E 00	2.526F-02	1.381E-03
1 4008 00	-	1.6008.00	3. 2458-02	1. 1828-03
1.6001 00	-	1.8007.00	2. B 10 R-02	8-634E-04
1 8007 00	-	2.0008 00	2.5878-02	7.2418-04
2 0008 00	-	2 500 2 00	3 6045-02	1 0468-03
2 5002 00		3 0008 00	6 7941-03	5 030F-04
1 0005 00	-	3 5002 00	1 5138-03	3 0358-04
3.0002 00		3.3005 00	7 7/78-04	2 9798-04
J. 5002 00		4.00000 00	5 0158-04	2. 779.5-04
4,0002.00	-	6 000E 00	3 4112 04	2.7342-04
4.5002 00		5.0002 00	3. ((112-04	2.4406-04
5.00CE 00	-	5.000E 00	7.2488-05	2.1545-04
6.000E 00	-	7.000E 00	-6-2028-05	4.8548-05
7.000E 00	-	8.000E 00	7. 119 F-04	5.006E-05
8.000E 00	-	9.000E 00	5.868E-06	2.1348-05
9.00CE 00	-	1.000E 01	1. 175E-05	2,4258-05

DIFFERENTIAL CROSS SECTIONS FOR GARMA RAY PRODUCTION IN TH. THE FIRST SET CF NUMBERS IS THE DOUBLY DIFFERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GARMA RAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GAMMA RAY PREREY INTERVALS. THIS SECCND SET RESULTS FROM INTEGRATION OF THE DOUBLY DIFFERENTIAL CATA. THE UNCERTAINTIES ARE GIVEN IN THE SAME UNITS AS THE DATA AND DO NOT INCLUDE AN ESTI-MATED 10 PERCENT ERROR IN ABSCLUTE NORMALIZATICN.

INCIDENT NEUTRON ENERGY = 3.00 TO 3.49 MEV. ANGLE = 125 DEGREES.

PHCTCN ENERGY	X-SECTION	ERFOR	PHOTCH ENERGY	X-SECTION (B/SR/MEV)	ERROR (B/SB/NEV)	PHOTON ENERGY	K-SECTION (B/SB/MEN)	ERROR (B/SR/MEV)
(024)	(2/30/224)	(1) 5 1/ 11 1/	(127)	(2, 58, 821)	(5) 50, 051)	(
3.075E-01	2.4251-01	2.955E-02	1.555E 00	1.886E-01	7.685E-03	4.560E 00	2.772E-04	6.606E-04
3.225E-01	2.514E-01	2.658E-02	1.585E 00	1.799E-01	7.3476-03	4.6401 00	5.5028-04	6.203E-04
3.375E-01	2.456 E-01	2.423E-02	1.615E 00	1.690E-01	6.748E-03	4.720 00	0.0911-04	6.061E-04
3.5256-01	2.469E-01	2.356E-02	1.645E 00	1.602E-01	6.1912-03	4.8001 00	7.854E-04	6.039E-04
3.6752-01	2.4542-01	2.300E-02	1.680£ 00	1.540 E-01	5-6928-03	4.8802.00	1 1000.03	5.0357.04
3.8252-01	2.2091-01	2.3118-02	1.7208 00	1.5258-01	5-03/2-03	4.960E 00	P D#5P-0#	5.933E-04
3.9752-01	2.0071-01	2.3331-02	1.760E 00	1 5708-01	5.5975-03	5 1205 00	5 7632-04	6 1592-04
4.125E-01	1.9331-01	2.2005-02	1.8002.00	1.5900-01	% 9078-03	5 200 5 00	3 6098-04	6 3778-04
4.2/52-01	1.8001-01	2.3291-02	1 8808 00	1 5695-01	4.8565-03	5 2807 00	2.0148-04	6 3 38 8-04
4.4258-01	1 2028-01	2.4326-02	1 9208 00	1 5028-01	4.7738-03	5.3608 00	-9.3318-05	-5.5638-04
4.5/52-01	1.7031-01	2 3925-02	1.950E 00	1.4048-01	4. 615E-03	5.4407 00	-2.625E-04	-5.0388-04
4.7252-01	2 196 8-01	2.199P-02	2.000 900	1.303E-01	4.255E-03	5.520E 00	-1.943E-04	-5.269E-04
5 025F-C1	2 400 8-01	2-004E-02	2.040E 00	1.223E-01	4.051F-03	5.600E 00	-2.823E-05	-5.779E-04
5.175F-01	2.5678-01	1.8148-02	2.080E 00	1.1582-01	3.8291-03	5.680E 00	2.035E-04	6.008E-04
5.325E-01	2.8331-01	1.5838-02	2.120E 00	1.096E-01	3.658E-03	5.760E 00	3.711E-04	5.743E-04 /
5.475E-01	3.154E-01	1.394E-02	2.160E 00	1.039E-01	3.544E-03	5.850F CO	5.448E-04	5.524E-04
5.625E-01	3.4091-01	1.278£-02	2.200E 00	9.675E-02	3.329E-03	5-950E 00	6.338E-04	4.389E-04
5.775E-C1	3.639E-01	1.287E-02	2.240E 00	8.789E-02	3.160E-03	6.050E 00	6.111E-04	4.211E-04
5.925F-01	3.932E-01	1.400E-02	2.280E 00	7.983E-02	2.893E-03	6.150E 00	2.864E-04	4.737E-04
6.100E-01	4.3C4E-01	1.464E-02	2.320E 00	7.204E-02	2.697E-03	6.250E CO	-1.496E-04	-4.634E-04
6.300E-01	4.586 E-01	1.428E-02	2.360E 00	6.339E-02	2.589E-03	6.350E 00	-5.009E-04	-4.058E-04
6.500E-01	4.679E-01	1.384E-02	2.4COE 00	5.659E-C2	2.362E-03	6.450E 00	-6.641E-04	-3.213E-04
6.70CE-01	4.698E-01	1. 324E-02	2.440E 00	5.347E-02	2.234E-03	6.550E 00	-5.381E-04	-3.434E-04
6.900E-01	4.7852-01	1.212E-02	2.4802 00	5.2152-02	2.2931-03	6.650E 00	-2.507E-04	-2.897E-04
7.100E-01	5.C93E-01	1.178E-02	2.525E 00	5.2052-02	2.385E~03	6.750E 00	8-5578-05	2.816E-04
7.300E-01	5.4881-01	1.1598-02	2.5/58 00	5.3668-02	2.4508-03	6.850F 00	3.9736-04	2.5/88-04
7.5002-01	5-6728-01	1. 1462-02	2.6258 00	5.253E-02	2.3402-03		5.0802-04	2.4952-04
7.70CE-C1	5.5628-01	1.0846-02	2.6/51 00	4.398E-02	2.0116-03	7 1505 00	0.0528-04	2.3216-04
7.900E-01	5.7678-01	1 0108-02	2 7758 00	3 1598-02	1 4208-03	7 2508 00	2.0578-04	1/5408-04
8.100E-01	4.5002-01	9 60 15-03	2 8258 00	2 7608-02	1 34 38-03	7.350F 00	7.5858-05	1.470E-04
B 500E-01	3.1055-01	8 8728-03	2.8758.00	2.3918-02	1.2208-03	7.450F 00	-1.849E-06	-1.434E-04
8 3005-01	2 1358-01	8.3408-03	2.9258 00	1.9386-02	1.1348-03	7.550E 00	-3.608E-05	-1.496E-04
8 9008-01	2.52CR+C1	8.235E-03	2.975E 00	1.4992-02	1.0781-03	7.660E 00	~ 5.019E-05	-1.214E-04
9-125F-01	2.4741-01	8.477E-03	3.030E 00	1. 167E-02	1.021E-03	7.780E 00	~5.4028-05	-9.371E-05
9.375E-01	2.614 5-01	9.251E-03	3.090E 00	9.584E-03	9.913E-04	7,900F 00	~3.978E-05	-7.031E-05
9.625E-01	2.9021-01	1.0531-02	3.150E 00	7.840E- C3	9.091E-04	8.020E 00	-1.752E-05	-5.987E-05
5.875E-C1	3-283E-01	1. 1682-02	3.210E 00	6.189E-03	8.463E-04	8.140E 00	-6.527E-07	-5.491E-05
1.012E 00	3.736E-C1	1.144E-02	3.270E 00	4.981E-03	7.967E-04	8.260E 00	8.923E-06	4.591E-05
1.037E 00	4.C99E-01	1.123E-02	3.330E 00	4.081E-03	8.033E-04	8.380E 00	1.656E-05	4.288E-05
1.063E 00	4.1601-01	1.305E-02	3.390E 00	3.211E-03	8.110E-04	8.500E 00	5.9398-06	3.2308-05
1.087E 00	3.763E-01	1.218E-02	3.45CE 00	2.402E-03	8.087E-04	8.620E 00	5.163E-06	3.1558-05
1.112E CC	3.129E-01	9.420E-03	3.510E 00	1.664E-03	8.17CE-04	8.740F 00	1. 1652-05	3.2308-05
1.137E CO	2.463E-01	8.126E-03	3.570E 00	1.134E-03	8.226E-04	8.8602 00	1./6/E-05	2.8636-05
1.162E 00	2.022E-01	8.075E-03	3.6308.00	1.00/E-03	8.274E-04	8.9805 00	2-4155-05	2.3136-03
1.188E 00	1.733E-01	9.465E-03	3.690E 00	1.2/58-03	8.4978-04	9.1001 00	2.0025-05	2.3436-03
1.212E 00	1.587E-01	1.026E-02	3.750E 00	1.605E~03	8.3055-04	9.220 00	2.9292-05	2.7992-03
1.237E CC	1.507E-01	9.6548-03	3.8101 00	1.6992-03	9 1905-04	9 4707 00	2.3345-03	2.0002-03
1.262E 00	1.4928-01	9.000E-03	3 9308 00	1 537=03	8 2561-04	9.6108.00	1.5178-05	1-9838-05
1.287E 00	1.4272-01	9 1065-03	3.9900 00	1 4878-03	8.112E-04	9,750 00	9-332E-06	1.6198-05
1 2057 00	1 5308-01	A. 4 78 F-0 7	4_050E 00	1. 3558-03	7.5728-04	9.890E 00	1.010E-05	1.9992-05
1 3758 00	1-623F-01	7.627E-03	4. 110E 00	1.179E-03	7.24 1E-04	1,003E 01	4.149E-06	2.3638-05
1 4058 00	1_6018-01	7.491E-03	4.170E 00	9.387E-04	7.126E-04	1.017E 01	- 1.638E-06	-2.881E-05
1.4358 00	1.739E-01	7.840E-03	4.240E 00	5.703E-04	7.226E-04	1.0312 01	-5.967E-06	-3.380E-05
1.4658 00	1.801E-01	7.752E-03	4.320E 00	7.855E-05	7.343E-04	1.045E 01	-6.129E-06	-3.793E-05
1.4958 00	1.865E-01	7.209E-03	4.4COE 00	- 2.055E- C4	-7.211E-04	1.059E 01	1.946E-06	3.959E-05
1.52 5E CC	1.906E-01	7.369E-03	4.480E 00	-9.278E-05	-7.C56E-04			

PHOTON BNERG (ME	Y INTERVAL V)	X-SECTION (E/SR)	ERROR (B/SR)
3.00CE-01 -	4.000E-01	2.380E-02	2.488E-03
4.000E-01 -	5.000E-01	1.900 E-02	2.331E-03
5.000E-01 -	6.000E-01	3. 173E-02	1.5128-03
6.000E-01 -	7.000E-01	4.611E-02	1.362E-03
7.0002-01 -	8.0008-01	5.3902-02	1.120E-03
8.0007-01 -	1.000E 00	6.159E-02	1.901E-03
1.0008 00 -	1.2002 00	6.272E-02	2.072E-03
1.20CF 00 -	1.4008.00	3.0438-02	1.772E-03
1.4008 00 -	1.6008 00	3.6378-02	1.5078-03
1.600E 00 -	1.8007 00	3. 146E-02	1.162E-03
1.8008 00 -	2.0008 00	3.0051-07	5.540E-04
2.0001 00 -	2.5008 00	4. 312E-02	1.5508-03
2.500F 00 -	3.000E 00	1.7988-02	8-5002-04
3.0008.00 -	3.5008.00	3.0467-03	4.3598-04
3 5008 00 -	4.000E 00	7. 157 7-04	4-1288-04
4 0001 00 -	4.500E 00	2.6678-04	1.611E-04
4.5008 00 -	5.0008 00	3.6088-04	2-828E-04
5.000E 00 -	6.000F 00	2.810F-04	2.196E-04
6.000E 00 -	7.000F 00	-1. 468 -05	9.680E-06
7.000 00 -	8.0008.00	1.022E-04	9.476E-06
8.000P 00 -	9.0008 00	8.4748-06	1.5728-05
9 0008 00 -	1.000 F 01	1.8755-05	2-224 E-05
8.0002 00 - 9.0002 00 -	9.000E 00 1.000E 01	8.474E-06 1.875E-05	1.572E-05 2.224E-05

DIFFERENTIAL CROSS SECTIONS FOR GAMMA RAY PRODUCTION IN TH. THE FIRST SET OF NUMBERS IS THE DOUBLY DIFFERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GAMMA RAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GAMMA RAY ENERGY INTERVALS. THIS SECOND SET RESULTS FROM INTEGRATION OF THE DOUBLY DIFFERENTIAL CATA. THE UNCERTAINTIES ARE GIVEN IN THE SAME UNITS AS THE DATA AND DO NOT INCLUDE AN ESTI-MATED 10 PERCENT ERFOR IN ARSOLUTE NORMALIZATION.

INCIDENT NEUTRON ENERGY = 3.49 TO 4.00 MRV. ANGLE = 125 DEGREES.

PROTON ENERGY	X-SECTION	ERROR	PHOTON ENERGY	X-SECTION	ERROR	PHOTON ENERGY	X-SECTION	ERROR
(01)	(b) = a/ab ()	(0) 08/ 10 1)	((1) 5 17 11 11	(2) 50/020)	(0.54)	(5/ 38/ 861)	(D/SK/HEV)
3.075E-01	2.433E-01	3.315E-02	1.555£ 00	2.2688-01	9.397E-03	4.560E 00	7. 144E-04	7.350E-04
3.225E-01	2.594E-01	3.279E-02	1.585E 00	2.233E-01	8.9551-03	4.640E 00	3.346E-04	6.350E-04
3.375E-01	2.9801-01	3.0648-02	1.615E 00	2.1552-01	8.147E-03	4.720E 00	4.546E-05	6.254E-04
3.525E-01	2.9518-01	2.8971-02	1.645E 00	2.0628-01	7.4835-03	4.8001 00	1.246B-04	6.230E-04
3.6755-01	2.0742-01	2 /8/1-02 2 689F-07	1 7205 00	1 9728-01	6 8708-03	4.8602.00	3.0701-04	7.3188-04
3 9758-01	2 2308-01	2.0888.02 2.771E-02	1.760 00	1.8228-01	6.850E-03	5 040F 00	2 6518-04	7 0308-04
4. 125E-01	2-0301-01	2.8698-02	1.800F 00	1.830E-01	6.543E-03	5.120E 00	5.760E~05	6.4518-04
4.2758-01	1.972E-01	2.949E-02	1.840E 00	1.835E-01	6.323E-03	5.200F 00	2.305E-05	6.4378-04
4.425E-01	1.942E-01	2.976E-02	1.880E 00	1.764E-01	6-270E-03	5.280E 00	6.4812-05	5.9628-04
4.575E~C1	1.885E-01	2.932E-02	1.920E 00	1.638E-01	6.004E-03	5.360E 00	2.815E-04	7.385E-04
4.725E-01	1.975E-01	2.847E-02	1.960P 00	1.524E-01	5.674E-03	5.440E 00	5.176E-04	7.169E-04
4.875E-01	2.2821-01	2.751E-02	2.000E 00	1.429E-01	5.253E-03	5.520E 00	5.573B-04	6.993E-04
5.025E-01	2.6471-01	2-498E-02	2.0408 00	1.331E-01	5-111E-03	5.600E 00	3.763E-04	6.329E-04
5.175E-01	2.96/E-01	2.2228-02	2.080E 00	1.2358-01	5.0118-03	5.680E 00	2.8952-04	6.680E-04
5.32 52-01	3.2238-01	1.9112-02	2.1202.00	1 10 25-01	4.0798-03	5 850 8 00	5. 347E-04	5.7898-04
5 6258-01	3 5731-01	1.5808-02	2.2008.00	1.0368-01	4.3305-03	5 9508 00	6.505E-04	6 3198-04
5.7758-01	3.8211-01	1.617E-02	2.240E 00	9.677E-02	4.154E-03	6.050F 00	4.4908-04	5.7328-04
5.9252-01	4.136E-01	1.717E-02	2.2805 00	8.947E-02	3.8898-03	6.150E 00	1.987E-04	5.4248-04
6.100F-C1	4.405E-01	1.783E-02	2.320E 00	8.055E-C2	3.658E-03	6.250E 00	-2.399E-05	-4.877E-04
6.300E-01	4.5C5E-01	1.7998-02	2.360F 00	7.28 1E-02	3.382E-03	6.350E 00	-7.630E-05	-4.857E-04
6.500E-01	4.568E-01	1.7178-02	2.400E 00	6.806E-02	3.084E-03	6.450E CO	-2.995E-05	-4.806E-04
6.700E-01	4.685E-01	1.561F-02	2.440E 00	6.446E-02	3.063E-03	6.550F 00	4.214E-05	4.317E-04
6.900E-01	4.892E-01	1.4281-02	2.480E 00	6.2328-02	3-2016-03	6.6501 00	-0.96/E-05	-4.029E-04
7.100E-01	5.2592-01	1.4035-02	2.5258 00	0.370E-02 7 304E-03	3.2316-03	6 950 F 00	-2. 52 (E-04	+ 3.623E-04
7.3002-01	5 8325-01	1.3626-02	2.5752.00	7 1578-02	2.9158-03	6 950E 00	-1.9868-04	-3.5346-04
7.3002-01	5.7831-01	1.3036-02	2.675F 00	6.088E-02	2-520E-03	7.050F 00	1.075E+05	2 7408-04
7.9002-01	5.3901-01	1.2368-02	2.725E 00	4.947E-02	2.086E-03	7.150E 00	1. 576 P-04	2.2698-04
E.100E-01	4.719E-01	1. 196E-02	2.775E 00	4.087E-02	1.867E-03	7.250E 00	2.086E-04	2.055E-04
0.300E-01	3.973E-01	1.1228-02	2.825E 00	3.448E-02	1.814E-03	7.350E 00	2-057E-04	1.831E-04
8.5002-01	3.357 <i>1</i> -01	1.079E-02	2.875E 00	2.968E-02	1.667E-03	7.450E 00	1.918E~04	1.491E-04
8.700E-01	3.0161-01	1.074E-02	2.925E 00	2.627E-02	1.565E-03	7.550F 00	1.651E-04	1.286E-04
8.900E-01	2.9291-01	1.0652-02	2.975E 00	2.407E-02	1.460E-03	7.660E 00	9.2902-05	1.015 E-04
9.1252-C1	2.956 2-01	1.0458-02	3.030E 00	2.21/6-02	1.3965-03	7.7802.00	9.0262-06	9.203E-05
9.3/32-01	3 3618-01	1 2428-02	3 1508 00	1 7128-02	1.3658~03	8 0 207 00	-2.8892-05	-7 5348+05
9.8758-01	3.7171-01	1. 370 E-02	3.210E 00	1.490E-02	1.306E-03	8.140E 00	1.856E~06	6.048E-05
1.012E 00	4.043E-01	1.323E-02	3.27CE 00	1.305E-02	1.197E-03	8.260E 00	1.073E-05	5.442E-05
1.03 7F 0C	4.254E-01	1.275E-02	3.330E 00	1.121E-02	1.166E-03	8.380E 00	1.995E-06	4.373E-05
1.063F 00	4.1758-01	1.4498-02	3.390E 00	9.510E-03	1.163E~03	8.50QE 00	- 3. 541E-06	-3.110E-05
1.087E 00	3.697E-01	1.351E-02	3.45 CE 00	8.206E-03	1.081E-03	8.620E 00	5.913E-06	2.8912-05
1.112E 00	3.078E-01	1.094E-02	3.510E 00	7.449E-03	1.017E~03	8.740F 00	1.9846-05	2.676E-05
1.137E 00	2.536E-01	9.548E-03	3.570E 00	6.930E-03	9.939E~04	5.860E 00	2.437E~05	2.370E-05
1.162F CC	2.21/8-01	9.3912-03	3.6302 00	6.19/6-03	1.1258~03	8.980E 00	1.0631-05	1.6/1E-05
1.1888.00	1.3018-01	1.1376~02	3.8902.00	3.233E-03	1 1128-03	9 2208 00	2 1728-06	5 546R+06
1 2378 00	1:6477-01	1.2048-02	3-810E 00	1.2928-01	9-871E-04	9.3407 00	7.8998-07	4.2918-06
1 26 28 00	1.6101-01	1.1258-02	3.870E 00	2.486E-03	9.908E-04	9.470F 00	5. 276E-07	3.3128-06
1.287E OC	1.6322-01	1.058E-02	3.930E 00	1.644E-03	9.735E-04	9.610E 00	8.729E-07	2.401E-06
1.315E CC	1.6962-01	1.084E-02	3.990E 00	9.6822-04	9.463E-04	9.750E 00	1.5848-06	2.400E-06
1.345E 00	1.7732-01	1.013E-02	4.050E 00	6.259E-04	9.032E-04	9.890E 00	2.382E-06	3.240E-06
1.375E 00	1.8381-01	9.268E-03	4.110E 00	5.645E-04	8.277E-04	1.003E 01	3.260E-06	4.038E-06
1.405E 00	1-916E-01	9.113E-03	4.170E 00	5.363E-04	8.114E-04	1.01/E 01	H. 1161-06	4,850E-06
1.4358 00	2+0082-01	9.30/E-03	4.24VE UU	7.04US-04	0.0005-04	1.0312 01	+.9425-06 5 500P-04	5./852-06
1.4552.00	2-1192-01	8 773F-03	4.320E 00 4.400E 00	9 9048-04	8 63CF-04	1.0432.01	5-9168-06	0.44/2-06 6 686F-06
1.525E 00	2.2571-01	8.967E-03	4.480E 00	9.9296-04	8.669E-04			310002-00

INTEGRATED DATA

PHOTON ENERG	Y INTERVAL	X-SECTION	ERROR
(ME	W}	(B/SR)	(B/SR)
3 0008-01 -	8.000 P-01	2.6388-02	2 9878-03
4 000 x-01 ~	5 000 2-01	2 0498-02	2 8668-03
5 000F-01 -	5.000E-01	2 4308-02	1 856 5-03
5.0001-01 -	0.000E-01	3.4392 02	1.0505-05
6.0006-01 -	7.000 E-01	4.6112-02	1.0302-03
7.000E-01 -	8.000E-01	5.572E-02	1.338E-03
8.000E-01 -	1.000E 00	6.882E-02	2.295E-03
1.000E 00 -	1.200E 00	6.487E-02	2.378E-03
1.200E 00 -	1.400E 00	3.4478-02	2.159E-03
1.400E 00 -	1.600E 00	4. 307E-02	1.834E-03
1.60CE 00 -	1.800E 00	3.894E-02	1.430E-03
1.800F 00 -	2.000E 00	3.361E-02	1.208E-03
2.0001 00 -	2.500E 00	4.768E-02	2.023E-03
2.500E 00 -	3.000E 00	2.381E-02	1.115B-03
3.000F 00 -	3.500E 00	7.113E-03	6.231E-04
3.500E 00 -	4.0005 00	2.136E-03	5.257E-04
4.000E 00 -	4.500 E 00	3.983E-04	4.230E-04
4.500E 00 -	5.0002 00	1.707E-04	3.462E-04
5.00CE 00 -	6.000E 00	3.449E-04	£.606E-04
6.000F 00 -	7.000E 00	-2.440E-05	1.239E-04
7.000E 00 -	8.000E 00	9.896E-05	1.223E-04
8.000F 00 -	9.000 8 00	6.868F-06	2.2178-05
9 0001 00 -	1 0000 01	2 7345-06	4 674F-06
9.000E 00 -		2.1346-00	4.0745-00

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DIFFERENTIAL CROSS SECTIONS FOR GAPMA RAY PRODUCTION IN TH. THE FIRST SET CF KUNDERS IS THE DOUELY DIFFERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GAPMA RAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GAMMA RAY ENERGY INTERNALS. THIS SECCND SET RESULTS FROM INTEGRATION OF THE DOUBLY DIFFERENTIAL DATA. THE UNCERTAINTIES ARE GIVEN IN THE SAME UNITS AS THE LATA AND DO NOT INCLUDE AN ESTI-HATED 10 PERCENT ERROR IN AESCLUTE NORMALIZATION.

INCIDENT NEUTRON ENERGY = 4.00 TO 4.49 MEV. ANGLE = 125 DEGREES.

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PHCTON ENERGY (MEV)	X-SECTION (E/SE/MEV)	ERROR (E/SR/MEV)	PHOTCN ENERGY (MEV)	X-SECTION (B/SR/MEV)	ERROR (B/SR/MEV)	PHOTON ENERGY (MEV)	X-SECTION (B/SR/MEV)	EBROR (B/SR/MBV)
3.075E-01	3.CO8E-01	4.261E-02	1,555E 00	2-559E-01	1.188E-02	4.560E 00	1.615E-05	7.696E-04
3.2252-01	3:279E-01	3.842E-02	1,585E 00	2.497E-01	1.110E-02	4.640F 00	9.008E-05	6.848E-04
3.375E-01	3.502E-01	3.589E-02	1.615E 00	2.387E-01	1-04 1E-02	4.720E 00	2. 142E-04	6.970E-04
3.52 5 E- C 1	3.536 E-01	3.480E-02	1.645E 00	2.300E-01	9.9152-03	4.800E 00	1. 59 1E-04	6.684E-04
3.675F-01	3.211E-C1	3.335E-02	1.680E 00	2.259E-01	9.385E-03	4.880E 00	2.042E-04	5.835E-04
3.825E-01	2.738E-01	3.3132-02	1.720E 00	2.2502-01	9.116E-03	4.960E 00	1.878E-04	6.534E-04
3.975E-01	2.3981-01	3.4062+02	1.760E 00	2.2602-01	8.554E-03	5.0401 00	3.6318-04	6.560E-04
4.1258-01	2. 1981-01	3.4/91-02	1.2002.00	2+2095-01	7.9075-03	5.1208.00	4.3181-04	6.480 E-04
4.2/51~01	1 6668-01	3.4916-02	1 890 8 00	2.2775-01	7 7395-03	5 2905 00	3.7245-04	6 990 2-04
4.4201-01	7 1175-01	3 5188-02	1 920 8 00	2.0468-01	7.3108-03	5 3608 00	1 5502-04	5 5939-04
4.7258-01	2. 3235-01	3.4291-02	1.960E 00	1,9208-01	7.0328-03	5.440F 00	2.8458~04	6.1298-04
4-875E-01	2.6317-01	3.256E-02	2. COOE 00	1.8098-01	6.6962-03	5.520E 00	4.0782-04	5.8428-04
5.025E-01	3:044E-01	3.042E-02	2.040E 00	1.7258-01	6.396E-03	5.600E 00	5.604E~04	5.727E-04
5. 175E-01	3.4328-01	2.768E-02	2.080E 00	1.627E-01	6.262E-03	5.680E 00	5.629E-04	5.974E-04
5.325E-01	3.721E-01	2.396E-02	2.120E 00	1.5048-01	6.185E-03	5.760E 00	4.223E~04	7.169E-04
5.4752-01	3.945E-01	2.074E-02	2.160E 00	1.38 1E-01	5.816E-03	5.850E 00	2.008E~04	6.427E-04
5.6252-01	4.138E-01	1.867E-02	2.2C0E 00	1.270E-01	5.434E-03	5.950E 00	-7.388E-06	-5.614E-04
5.7752~01	4.351E-01	1.934E-02	2.240¥ 00	1.157E-01	5.251E-03	6.050E 00	-2.041E-04	-5.032E-04
5.925E-01	4. E14E-01	2.1098-02	2.2802 00	1.0378-01	5.121E-03	6.150E 00	-2-105E-04	-5.306E-04
6.100E-01	4.2672-01	2.1105-02	2. 320E 00	9.3128-02	4.6931-03	6.250E UU	- 5.354E~05	-5.974E-04
6.300E~01	4.0022-01	2.0702-02	2.3002.00	8.0032-02	4.2436-03	6 4505 00	2.7745-04	0.1892-04 E < 707 04
6 700E-01	4.1921-01	1 8678-02	2 4407 00	8 2428-02	3.8028-03	6 550 5 00	5 5488-04	5 0328-04
6 900P-01	F. 1548-C1	1.6868-02	2.480F 00	8.2477-02	3.8325-03	6.6507 00	3. 3378~04	4.878F-04
7.1007-01	5.5925-01	1.632E-02	2.525E 00	8.641E-02	3.982E-03	6.750E 00	7-224E-06	4.3582-04
7.300E-01	6.006E-01	1.602E-02	2.575E 00	9.031E-02	4.284E-03	6.8501 00	-1.929E-04	-4.416E-04
7.500E-01	6.110 E-01	1.601E-02	2.625E 00	8-411E-02	4-029E-03	6.950f 00	-2.311E-04	-4.027E-04
7.700E-01	5.899E-01	1.573E-02	2. €75E 00	6.914E-02	3.450E-03	7.050E 00	- 1.671E-04	-3.396E-04
7.900E-01	5.519E-01	1.478E-02	2.725E 00	5-5022-02	2.6501-03	7.150E 00	-8.270E-05	-2.533E-04
8.1002~01	5.C29E-01	1.454E-02	2.775E 00	4.731E-02	2.489E-03	7.250E 00	-6.338E-06	-2.118 <u>E</u> -04
8.300E-01	4.418E-01	1. 357E-02	2.825E 00	4.336E-02	2.344E-03	7.350E 00	2.698E-05	1.766E-04
8.500E-01	3.811E-01	1.2652-02	2.875E 00	3.905E-02	2.186E-03	7.4501 00	6.1142-05	1.676E-04
E.700E-01	3.436E-01	1.2375-02	2.9258 00	3.3275-02	2.076E-03	7.5501 00	7.329E-05	1.2788-04
0 1268-01	3.3335-61	1 2418-02	3 030 8 00	3.3772-02	1 9002-03	7 7908 00	1 9/58-05	0 907 - 05
9.1252-01	3.5645-01	1. 30 1F-02	3.0908.00	2.706F-02	1.9128-03	7.900F 00	1.0238-06	8-8248-05
9 6257-01	3 6988-01	1.4558-02	3. 150F 00	2.2558-02	1.9828-03	8.020F 00	-1.9997-05	-8.286 8-05
5.875E-C1	3.9432-01	1.610E-02	3.210E 00	1,939E-02	1.856E-03	8.140F 00	-2.314E-05	-8.031E-05
1.012E CO	4.2838-01	1.563E-02	3.270E 00	1,569E-02	1.692E-03	8.250E 00	-2.059E-05	-6.867E-05
1.037E 00	4,495E-01	1.516E-02	3.330E 00	1.262E-02	1.6368-03	8.380F 00	- 1. 411E-05	-6-199E-05
1.C63E CC	4.380E-01	1.708E-02	3.390E 00	1.139E-02	1.591E-03	8.500f 00	1.636E-05	6.027E-05
1.087F 00	3.887E-01	1.611E-02	3.45CE 00	1.050E-02	1.498E-03	8.620E 00	4.060E-05	5.414E-05
1.112E 00	3.265E-01	1.334E-02	3.510E 00	9,5142-03	1.4572-03	8.740E 00	5.213E-05	4.724E-05
1.137E 00	2.6971-01	1.171E-02	3.570E 00	9.089E-03	1.632E-03	8.860E 00	4.366E-05	3.958E-05
1.162E 00	2.345E-01	1. 146E-02	3.6308.00	8.9298-03	2.2/48-03	8.9801 00	2.3/11-05	3-22AE-02
1.1881 00	2.08/2-01	1 0068-02	3.3508.00	3.4702-03	1 2005-03	9.7002.00	1. 1922-09	2.9348-03
1 2277 00	1.9508-01	1.4538-02	3.8101 00	7.2248-03	1.2947-03	9-3408 00	7.5858~06	1 876 2-05
1 26 28 00	1 8328-01	1. 399 7-02	3.8708.00	6.6298-03	1.2368-03	9-4707 00	1.2368~05	1 5258-05
1.2878 00	1.809F-01	1.328E-02	3.9302 00	5.5408-03	1.26 8E-03	9.610F 00	1.030E-05	1-0458-05
1.315P DC	1.7938-01	1. 349E-02	3.9901 00	4.263E-03	1.210E-03	9.750E 00	7.729E-06	7.730E-06
1.345E OC	1.825E-01	1.256E-02	4.050E 00	3.395E-03	1.1261-03	9.890E 00	7.072E-06	6.990E-06
1.375E 00	1.892E-01	1.1268-02	4.110E 00	3.178E-03	1.050E-03	1.003E 01	5.994E~06	5.747E-06
1.405E 00	2.005 E-01	1.098E-02	4.170E 00	3.0272-03	9.860E-04	1.017E 01	4.353E~06	5.726E-06
1.435E 00	2.178E-01	1. 165E-02	4.240E 00	2.404E-03	9.368E-04	1.031E 01	3.935E-06	6.634E-06
1.465E CC	2.357E-01	1.136E-02	4.320E 00	1.332E-03	9.578E-04	1.045E 01	4.496E~06	7.674E-06
1.495E CC	2.480E-01	7.067E-02	4.400E 00	5.369E-04	9.913E-04	1.059E 01	5.415E~06	8.110E-06
1.525E 00	2,54/1-01	1.1306-02	4.4808 00	1.5132-04	3.4362-04			

PHOTON	EN	e Bg	Y INTER	VAL	X-SECTION	ERROR
		(ME	7)		(E/SR)	(B/SR)
3.0008-	-01	-	4.000E-	-01	3.133E-02	3.6175-03
4.000E-	-01	-	5.000g	-01	2.259E-02	3.445 E-03
5.000E-	-01	-	6.000 E	-01	3.940E-02	2.2732-03
6.000E-	-01	-	7.000E-	-01	4.915E-02	1.9668-03
7.000F-	-01	_	8.0008-	01	5.821E-02	1.5796-03
8.0008-	-01	-	1.000 E	00	7.6771-02	2.710E-03
1.0008	00	-	1.200 P	00	6.857E-02	2.8488-03
1 2007	00	_	1 400 P	õõ	3 7118-02	2.6468-03
1 4002	20	_	1 6000	20	A 700P-02	2 2628-03
1 6002	20	_	1 0000	20	4.7300 02	1 955 8-03
1.0005	20	-	2.000 -	00	4. 3721-02	1.0000-00
1.8005	00	-	2.000E	00	4. 1912-02	1.4922-03
2.00CE	00	-	2.5002	00	5.956E-02	2.571E-03
2.500F	00	-	3.000E	00	2.919E-02	1.484E-03
3.000E	00	-	3.500E	00	9.255E-03	E.737E-04
3.500E	00	-	4.000E	00	3.776E-03	E.072E-04
4.000E	00	-	4.500E	00	1.010E-03	5.0152-04
4.500P	00	-	5.000E	00	7.367E-05	3.418E-04
5.000E	0.0	-	6.000 E	00	3. 288F-04	5-208F-04
6 0007	00	-	7 000 5	00	7 9978-05	0 0172-06
3.0000	00		0.0000	00	7.097E 05	5. 517 <u>5</u> -00
7.000E	00	-	0.000E	00	-4.030E-07	C. 3015-07
8.00CF	00	-	9.000E	00	1.1888-05	4.002E-06
9.000E	00	-	1.000E	01	9.112E-06	1.586E-05

DIFFERENTIAL CROSS SECTIONS FOR GAMMA RAY PRODUCTION IN TH. THE FIRST SET OF NUMBERS IS THE DOUBLY DIFFERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GAMMA RAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GAMMA RAY ENERGY INTERVALS. THIS SECOND SET RESULTS FROM INTEGRATION OF THE DOUBLY DIFFERENTIAL DATA. THE UNCERTAINTIES ARE GIVEN IN THE SAME UNITS AS THE DATA AND DO NOT INCLUDE AN ESTI-MATED 10 PERCENT EFROF IN AESOLUTE NORMALIZATION.

INCIDENT NEUTRON ENERGY = 4.49 TO 5.00 MEV. ANGLE = 125 DEGREES.

(b1) (b23b/b1) (b23b/b1) (b23b/b1) (b23b/b1) (b23b/b1) (b23b/b1) 3.0755-01 3.7711-01 4.6802 00 1.3255-01 1.2355-01 1.2355-01 1.2355-02 4.6602 00 1.3365-03 8.9422-03 3.755-01 3.671-04 1.8446-02 1.6512-02 4.2001 00 8.9422-03 4.4002 00 8.9422-04 8.5612-04 8.5612-04 8.5612-04 8.5612-04 8.5612-04 8.5612-04 8.5622-03 8.9022-03 8.9022-03 8.9022-04 8.5622-04 8.5622-04 8.5622-04 8.5622-04 8.5622-04 8.5622-04 8.5622-03 8.50402 00 3.4538-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04 8.2918-04	PROTON ENERGY	X-SECTION	ERROR	PHOTON ENERGY	X-SECTION	ERFOR	PHOTON ENERGY	X-SECTION	ERROR
3. 075E-01 3. 477E-01 4. 177E-02 1. 5555 00 2. 075E-01 1. 278E-02 4. 5607 00 1. 97E-03 9. 346E-04 3. 225E-01 3. 201E-01 3. 177E-01	(6 24)	(b) 28/824)	(0) 28/82 ()	(424)	(2/58/824)	(0/38/824)	(124)	(0) 28/ 404)	(BYSK/HEV)
3.252-01 3.777E-C1 4.137E-C2 1.5855 00 2.005E-C1 1.204E-C2 4.7600 00 1.33E-C0 7.32E-C0 4.7600 00 1.33E-C0 7.95E-C0 4.757E-C1 3.40E-C0 1.557E-C2 1.7600 00 2.477E-C1 1.077E-C2 4.7600 00 1.358E-C0 4.757E-C1 3.40E-C0 7.95E-C0 4.7600 00 1.358E-C0 7.95E-C0 4.757E-C1 3.40E-C0 7.95E-C0 4.760E 00 1.358E-C0 7.95E-C0 4.757E-C1 3.40E-C0 7.95E-C0 4.757E-C1 2.459E-C1 3.457E-C0 1.460E 00 2.477E-C1 9.64E-C0 3.52E-C0 7.557E-C0 4.157E-C0 4.30E-C0 7.95E-C0 4.757E-C0 4.30E-C0 7.95E-C0 7.95E-C0 8.927E-C0 5.40E 00 4.30TE-C0 7.80E-C0 7.95E-C0 4.757E-C0 1.53E-C0 7.55E-C0 7.557E-C0 3.52E-C0 7.557E-C0 7.557	3.075E-01	3.473E-01	4.6488-02	1.555E 00	2.813E-01	1.2738-02	4.560E 00	1.925E-03	9.346E-04
1. 3758-01 3. 6771-01 3. 4848-02 1. 6652 00 2. 6618-01 1. 1359-02 4. 7208 00 8. 9548-04 6. 5618-01 1. 5157-02 4. 8001 00 5. 5648-04 6. 5618-01 1. 5157-02 4. 8001 00 5. 5648-04 6. 5618-01 1. 5157-02 4. 8001 00 5. 5648-04 7. 9395-04 3. 5758-07 2. 5218-01 3. 6717-02 1. 6602 00 2. 4778-01 9. 9522-03 5. 0408 00 1. 1538-04 7. 9395-04 4. 2759-07 2. 5218-01 3. 6772-02 1. 5600 20 2. 4772-01 8. 9582-03 5. 1208 00 3. 1388-04 7. 9395-04 4. 2759-07 2. 5218-01 3. 5772-02 1. 5600 00 2. 4722-01 8. 9388-03 5. 1208 00 3. 2508-04 7. 5768-04 4. 2757-07 2. 4484-01 3. 5777-02 1. 4600 00 2. 4722-01 8. 9388-03 5. 1208 00 3. 2508-04 7. 5768-04 4. 2757-07 2. 4538-04 3. 5778-02 1. 4900 00 2. 24250-01 8. 5077-03 5. 4607 00 4. 5708-04 7. 9428-04 4. 7259-07 2. 5218-01 3. 5778-02 1. 4901 00 2. 2255-01 8. 5077-03 5. 4607 00 4. 5708-04 7. 9428-04 4. 7259-07 3. 54407 00 4. 5708-04 7. 9428-04 4. 7259-07 3. 54407 00 5. 5708-04 7. 9428-04 4. 7259-07 3. 54407 00 5. 5708-04 7. 9428-04 4. 7259-07 3. 54407 00 5. 5708-04 7. 9428-04 4. 7259-07 3. 54407 00 5. 5708-04 7. 9428-04 4. 7259-07 3. 54407 00 5. 5708-04 7. 9428-04 4. 7259-07 3. 54407 00 5. 5708-04 7. 9428-04 4. 7259-07 3. 54407 00 5. 5708-04 7. 9428-04 4. 7259-07 3. 54407 00 5. 5708-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 718-04 7. 728-03 5. 5007 00 7. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 778-05 9. 77	3.225E-01	3.771 <u>2</u> ~C1	4.137E-02	1.585E 00	2.805E-01	1.204E-02	4.640E 00	1. 336E-03	8.9422-04
3,5525-01 3,501-01 2,675-02 1,665 00 2,5165-01 1,075-02 4,800 00 5,668 -03 6,224-04 8,248-04 3,575-01 2,755-01 3,575-02 1,575-01 7,755-01 3,575-02 1,575-01 7,575-01 3,575-02 1,575-01 7,575-01 3,575-02 1,575-01 7,575-01 7,575-01 3,575-02 1,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-01 7,575-00 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500 7,57500	3.3756-01	3.677E-01	3.844E-02	1.615E 00	2.681E-01	1.135E-02	4.720E 00	8.954E-04	8.561E-04
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$ \begin{array}{c} 3. \ g \ g \ g \ g \ g \ g \ g \ g \ g \ $	3.675E-01	3.384 E-01	3.559 E-02	1.680E 00	2.417E-01	1.017E-02	4.880F 00	3.952E-04	8-191E-04
3.9752-C1 2.752-C1 3.4012-02 1.7602 0.4072-01 9.6651-03 5.7402 0.32530-04 8.2320-01 3.4338-04 6.2318-04 4.1252-01 2.4097-01 3.6022-02 1.8002 00 2.355-01 8.9022-03 5.2002 00 4.3012-04 7.3538-04 4.2525-01 2.4097-01 3.5356-02 1.9002 00 2.4555-01 8.9022-03 5.3002 00 3.2188-04 6.3248-04 4.2525-01 3.56407-00 3.5766-02 1.9602 00 2.1522-01 7.4527-03 5.4002 00 5.1248-04 6.3248-04 5.2057-04 7.9682-04 5.2352-01 3.6602-01 3.6372-02 2.04002 01 1.9122-01 5.4012 00 -7.1182-04 -7.1182-04 5.2352-01 4.3082-01 2.2562-02 2.04002 01 1.7632-01 5.4012 00 -1.1182-04 -7.1182-04 -7.1182-04 5.5570 0.712-07 -6.5920 0.5712-04 5.5012 0.55920 0.5712-04 5.7758-01 4.3782-04 5.7758-01 4.5758-01 5.15782-01 5.7758-02 4.0077-01 5.06	3.825E-C1	3.120E-01	3.501E-02	1.720E 00	2.440E-01	9.962E-03	4.960E 00	3.134E-04	7-995E-04
a, 228-01 2, 228-01 3, 2708-04 7, 5768-04 a, 2752-01 2, 4897-01 3, 5378-02 1, 4006 00 2, 2455-01 8, 5078-03 5, 3607 00 5, 5067 00 5, 7068-04 a, 7252-01 2, 4897-01 3, 5388-02 1, 4205 00 2, 2455-01 8, 5078-03 5, 3407 00 5, 5052-04 7, 9668-04 a, 7252-01 3, 6768-02 1, 6007 00 2, 2252-01 8, 6042-03 5, 1402 00 5, 5052-04 8, 8378-04 5, 0255-01 3, 6767-02 2, 6007 00 2, 0222-01 7, 4528-03 5, 5402 00 -1, 1188-04 6, 3228-04 -6, 6122-04 5, 0255-01 3, 6602-01 2, 0402 00 1, 4988-01 7, 2002-03 5, 6007 00 -1, 1188-04 -6, 6122-04 5, 0755-01 4, 4735-01 2, 0502 00 1, 6738-01 6, 1172-03 5, 5950 00 -2, 898-04 -6, 6122-04 5, 7755-01 4, 4738-01 5, 0178-03 5, 6128-04 6, 9387-04 5, 7387-04 5, 9780 00 5, 9780 00 5, 9780 00 5, 9780 00 5, 9780 00 6, 9780-04 5, 9780 00 6, 9580 00 5, 9780 00 6, 9780-04 6, 9780-04 6, 9780	3.975E-C1	2.759E-C1	3.401E-02	1.760E 00	2.4772-01	9.685E-03	5.040E 00	3.453E-04	8.291E-04
a. 2732-01 2. 4848-01 3. 777-02 1. 8402 00 2. 4222-01 8. 3032-03 5. 2007 00 1. 7302-04 7. 4746-04 4. 2727-01 2. 4838-01 3. 5785-02 1. 9607 00 2. 1522-01 8. 3037-03 5. 2507 00 5. 5058-00 7. 9428-04 4. 2727-01 3. 6718-01 3. 5785-02 2. 0007 00 2. 1522-01 8. 007-03 5. 5207 00 3. 2718-04 8. 3328-04 5. 7057-01 4. 6007-01 3. 5785-02 2. 0007 00 1. 9438-01 7. 2002-03 5. 6007 00 -1. 3518-04 -3. 3328-04 -6. 6122-04 5. 7757-01 4. 3082-01 2. 5377-02 2. 1007 00 1. 4788-01 5. 6037-03 -5. 6016 00 -5. 6612-04 -5. 3182-04 -6. 6122-04 5. 7757-01 4. 3071-01 2. 1377-02 2. 2007 00 1. 4788-01 5. 6037-03 6. 1507 00 5. 6732-04 -5. 7382-04 -6. 73382-04 -5. 7382-04 -5. 7382-04 -5. 7382-04 -5. 7382-04 -5. 7382-04 -5. 7382-04 -5. 7382-04 -5. 7382-04 -5. 7382-04 -5. 7382-04 -5. 7382-04 -5. 7382-04 -5. 7382-04 -5. 7382-04 -5. 7382-04 -5. 7382-04 <t< td=""><td>4.125E-01</td><td>2.523E+01</td><td>3.577E-02</td><td>1.800E 00</td><td>2.4728-01</td><td>8.998E-03</td><td>5.120E 00</td><td>3.250E-04</td><td>7.576E-04</td></t<>	4.125E-01	2.523E+01	3.577E-02	1.800E 00	2.4728-01	8.998E-03	5.120E 00	3.250E-04	7.576E-04
4. # 292-01 2. # 891-01 1. 00 2-02 1. 8800.00 2. 4800-01 5. 2000.00 5. 2000.00 5. 2000.00 5. 2000.00 5. 2000.00 5. 2000.00 5. 2000.00 5. 2000.00 5. 2000.00 5. 2000.00 5. 2000.00 5. 2000.00 7. 4000.00 5. 2000.00 7. 4000.00 5. 2000.00 7. 4000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00 7. 2000.00<	4.275E-01	2.484F-01	3.577E-02	1.840F 00	2.4228-01	8.9342-03	5.200E 00	3.130E-04	7.470E-04
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$ \begin{array}{c} 1, \ 1, \ 1, \ 1, \ 1, \ 1, \ 1, \ 1, $	4.575E-01	2.4392-01	3.5366-02	1.9202 00	2.2858-01	8.50/2-03	5.3601 00	5.7062-04	7.9662~04
$\begin{array}{c} 5. & 252 = 01 & 3. & 260 = -01 & 3. & 260 = -02 & 2. & 200 & 00 & 1. & 943 = -01 & 7. & 200 = -03 & 5. & 600 & 00 & -1. & 198 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 128 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 588 = -04 & -6. & 5888 = -04 & -6. & 5888 = -04 & -6. & 588 = -04 & -6. & 588 = -$	4.725F-01	2.00315-01	3.5765-02	2 0002 00	2.1522-01	7 4525-03	5 5208 00	3 3198-04	P 334P-04
1 1 1 2 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4.8/3E-01 5.0255-01	3.0712-01	3.3572-02	2.0002.00	1 94 35-01	7.4521-03	5 6005 00	-1 1195-04	-7 5118-04
i 1 2 2 1 0 1 6 0 -1 0 -2 1 0 -7 1 0 -7 1 0 -7 1 0 -7 1 0 -7 1 0 -7 1 0 0 -7 0 0 1 0 0 -7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td< td=""><td>5 1758-01</td><td>8 143E-01</td><td>2 9/9F-02</td><td>2 0902 00</td><td>1 9998-01</td><td>2 280E-03</td><td>5 680 1 00</td><td>-3.9398-04</td><td>-6 6128-04</td></td<>	5 1758-01	8 143E-01	2 9/9F-02	2 0902 00	1 9998-01	2 280E-03	5 680 1 00	-3.9398-04	-6 6128-04
5:4752-01 4:3722-01 2:2562-02 2:1602 00 1.7532-01 6:4812-03 5:8502 00 55162-04 6.5502-04 6.3982-04 5:2525-01 4:4071-01 2:35202 2:2002 00 1.4782-01 5:6022-03 6:0502 00 5.0782-04 6:3982-04 6:3982-04 5:2525-01 5:7171-01 2:3552-02 2:2002 00 1.3020-01 5:6022-03 6:2502 00 8:8222-04 5:3382-04 6:2002-01 5:2527-01 2:4787-02 2:3602 00 1.9020-01 5:6622-03 6:4502 00 8:8222-04 5:3712-04 6:002-01 4:8495-01 1:5712-02 2:4002 00 1.9027-01 4:562-03 6:4502 00 3:6828-04 6:9028-04 4:3288-04 6:002-01 4:8495-01 1:648-02 2:555 00 1:6482-03 6:5502 00 -2:5472-04 3:8628-04 7:002-01 5:5828-02 1:7022 2:4002 00 1:6382-03 6:5502 00 1:6282-03 6:5502 00 -2:2472-04 3:8628-04 7:002-01 5:6828-03 1:7028-04 4:25582-02 2:5512 00 1:6382-03 6:5502 00 1:52472-04 3:8628-03	5.1752-01	4.3487-01	2.5378-02	2.1205 00	1.9508-01	6.979E-03	5.760F 00	-5. 265P-04	-7.1788-04
$ \begin{array}{c} 5.252-01 & 4.079-01 & 2.0592-02 & 2.2002 00 & 1.4262-01 & 5.172-03 & 5.9502 00 & 9.7702-05 & 6.9322-04 \\ 5.7755-01 & 5.7172-01 & 4.072-02 & 2.2402 00 & 1.4782-01 & 5.9602-03 & 6.5502 00 & 8.092-04 & 5.7382-04 \\ 6.1007-01 & 5.2312-01 & 2.1372-02 & 2.3202 00 & 1.902-01 & 5.2632-03 & 6.5502 00 & 8.0922-04 & 5.7302-04 \\ 6.2007-01 & 5.2312-01 & 2.1872-02 & 2.4002 00 & 1.0921-01 & 5.26612-03 & 6.5502 00 & 6.9372-04 & 5.5712-04 \\ 6.2007-01 & 4.9912-01 & 2.1672-02 & 2.4002 00 & 1.0927-01 & 4.5662-03 & 6.5502 00 & 6.9372-04 & 5.5712-04 \\ 6.2007-01 & 4.9912-01 & 1.95712-02 & 2.4002 00 & 1.0927-01 & 4.5662-03 & 6.5502 00 & 6.9372-04 & 5.5712-04 \\ 6.2007-01 & 4.9912-01 & 1.95712-02 & 2.4002 00 & 1.0932-01 & 4.3592-03 & 6.5502 00 & -1.5012-04 & -4.2052-04 \\ 7.1007-01 & 5.0421-01 & 1.94712-02 & 2.5552 00 & 1.6812-03 & 6.5502 00 & -1.5012-04 & -4.2052-04 \\ 7.1007-01 & 5.0412-01 & 1.7642-02 & 2.6255 00 & 1.8842-01 & 4.7662-03 & 6.5502 00 & -2.5472-04 & -3.8622-04 \\ 7.2007-01 & 6.2451-01 & 1.56512-02 & 2.6255 00 & 1.1572-01 & 4.5682-03 & 6.5502 00 & 5.2922-03 & 6.5502 00 & 5.9422-04 & 3.6312-04 \\ 7.0072-01 & 6.2451-01 & 1.5502-02 & 2.7755 00 & 9.7162-03 & 6.4502 00 & 5.0922-03 & 7.5502 00 & 5.1042-04 & 2.4712-04 \\ 7.0072-01 & 6.2451-01 & 1.5502-02 & 2.7755 00 & 5.368-02 & 2.5382-03 & 7.5502 00 & 5.1042-04 & 2.4712-04 \\ 7.0072-01 & 6.2451-01 & 1.5302-02 & 2.7755 00 & 5.568-02 & 2.5382-03 & 7.5502 00 & 1.7302-04 & 1.8732-04 \\ 7.0072-01 & 5.6412-01 & 1.4312-02 & 2.6352 00 & 3.5168-02 & 2.5382-03 & 7.5502 00 & 1.7302-04 & 1.6732-04 \\ 8.0072-01 & 3.6312-01 & 1.3302-02 & 2.755 00 & 3.5982-03 & 7.5602 00 & 9.1952-03 & 1.6572-03 & 1.6572-04 & 1.6572-04 \\ 8.0072-01 & 3.6312-01 & 1.3302-02 & 2.755 00 & 3.5982-03 & 7.6602 00 & 9.6112-05 & 1.4642-04 \\ 8.7752-01 & 8.6027-01 & 1.4312-02 & 2.4755 00 & 3.5182-02 & 2.4972-03 & 7.6602 00 & 9.6112-05 & 1.6372-04 \\ 8.7007-01 & 3.6312-01 & 1.3302-02 & 2.7552 00 & 3.5182-02 & 2.4972-03 & 7.6002 00 & 1.1352-04 & 9.4352-05 \\ 9.6752-01 & 8.6027-01 & 1.6432-02 & 3.6302 00 & 1.3752-02 & 1.75500 &$	5 4758-01	4.3738-01	2-2568-02	2. 160F 00	1.7638-01	6.4415-03	5.850E 00	- 3. 516E-04	-6.9542-04
$ \begin{array}{c} 5,775\pm-01 & 4,807\pm-01 & 2,012\pm-02 & 2,200\pm00 & 1,302\pm-01 & 5,602\pm-03 & 6.505\pm00 & 5,602\pm-04 & 6.915\pm-04 \\ 6,102\pm-01 & 5,378\pm-04 & 2.321\pm-02 & 2.320\pm00 & 1,302\pm-01 & 5,602\pm-03 & 6.550\pm00 & 8.002\pm-04 & 5,738\pm-04 \\ 6,200\pm-01 & 5,271\pm-01 & 2.187\pm-02 & 2.400\pm00 & 1,902\pm-01 & 5,602\pm-03 & 6.550\pm00 & 8.002\pm-04 & 5,731\pm-04 \\ 6.200\pm-01 & 4,295\pm-01 & 2.175\pm-02 & 2.400\pm00 & 1,027\pm-01 & 4.572\pm-03 & 6.550\pm00 & -3.660\pm-04 & 5.573\pm-04 \\ 6.700\pm-01 & 4.591\pm-01 & 1.971\pm-02 & 2.400\pm00 & 1,027\pm-01 & 4.332\pm-03 & 6.550\pm00 & -3.660\pm-04 & -4.20\pm-04 \\ 6.700\pm-01 & 4.591\pm-01 & 1.971\pm-02 & 2.400\pm00 & 1,002\pm-01 & 4.352\pm-03 & 6.550\pm00 & -3.660\pm04 & -4.20\pm-04 \\ 6.700\pm-01 & 4.591\pm-01 & 1.791\pm-02 & 2.400\pm00 & 1,002\pm-01 & 4.591\pm-03 & 6.550\pm00 & 1.501\pm-04 & -4.20\pm-04 \\ 7.00\pm-01 & 6.24\pm-01 & 1.791\pm-02 & 2.555\pm00 & 1.671\pm-01 & 4.592\pm-03 & 6.550\pm00 & 1.902\pm-04 & 3.632\pm-04 \\ 7.500\pm-01 & 6.24\pm-01 & 1.657\pm-02 & 2.6525\pm00 & 1.571\pm-01 & 4.503\pm-03 & 6.4550\pm00 & 1.2902\pm-04 & 3.631\pm-04 \\ 7.500\pm-01 & 6.24\pm-01 & 1.657\pm-02 & 2.675\pm00 & 1.70\pm-01 & 4.503\pm-03 & 6.4550\pm00 & 1.2902\pm-04 & 3.631\pm-04 \\ 7.00\pm-01 & 6.24\pm-01 & 1.657\pm-02 & 2.675\pm00 & 1.70\pm-01 & 4.503\pm-03 & 6.4550\pm00 & 1.70\pm-04 & 3.631\pm-04 \\ 7.00\pm-01 & 6.24\pm-01 & 1.657\pm-02 & 2.675\pm00 & 1.50\pm-02 & 7.25\pm00 & 0.570\pm00 & 1.70\pm-04 & 3.031\pm-04 \\ 8.500\pm-01 & 4.67\pm-01 & 1.55\pm-02 & 2.775\pm00 & 5.56\pm0\pm-02 & 2.73\pm0+03 & 7.255\pm00 & 1.790\pm-04 & 1.87\pm-04 \\ 8.500\pm-01 & 4.67\pm-01 & 1.477\pm-02 & 2.875\pm00 & 3.59\pm0\pm02 & 2.24\pm0\pm-03 & 7.55\pm0 & 00 & 1.99\pm0\pm-04 \\ 8.500\pm-01 & 4.67\pm-01 & 1.477\pm-02 & 2.875\pm00 & 3.59\pm0\pm02 & 2.497\pm-03 & 7.450\pm00 & 1.790\pm0\pm04 & 1.87\pm0\pm04 \\ 8.500\pm-01 & 4.62\pm-01 & 1.477\pm-02 & 2.875\pm00 & 3.59\pm0\pm02 & 2.497\pm-03 & 7.650\pm00 & 0.195\pm0\pm0 & 1.64\pm0\pm04 \\ 8.700\pm-01 & 4.69\pm-01 & 1.390\pm-02 & 2.305\pm00 & 3.52\pm0\pm02 & 2.497\pm-03 & 7.650\pm00 & 0.195\pm0\pm0 & 1.64\pm0\pm04 \\ 8.700\pm-01 & 4.69\pm-01 & 1.390\pm-02 & 3.330\pm00 & 0.315\pm0\pm02 & 2.40\pm0\pm0 & 7.660\pm00 & 9.61\pm-05 & 1.64\pm0\pm04 \\ 9.72\pm-01 & 4.62\pm-01 & 1.73\pm0\pm0 & 2.33\pm0\pm0 & 2.495\pm0\pm0 & 2.495\pm0\pm0 & 1.46\pm0\pm0 & 4.49\pm0\pm0 \\ 9.62\pm-01 & 4.32\pm-01 & 1.59\pm0\pm0 & 3.330\pm00 & 0.335\pm0\pm0 & 3.43\pm$	5.6258-01	4.4791-01	2.059E-02	2.200E 00	1.6268-01	6.117E-03	5.9508 00	9.7102-05	6.938E-04
5.925E-01 5.174E-01 2.135E-02 2.280E 00 1.330E-01 5.602E-03 6.150E 00 8.009E-04 5.736E-04 6.100E-01 5.221E-01 2.187E-02 2.360E 00 1.990E-01 5.662E-03 6.350E 00 6.350E 00 5.571E-04 6.500E-01 4.957E-01 2.115E-02 2.4400E 00 9.910E-02 4.313E-03 6.550E 00 -1.501E-04 -4.928E-04 6.300E-01 5.021E-01 1.979E-02 2.4400E 00 9.910E-02 4.313E-03 6.550E 00 -1.501E-04 -4.928E-04 6.300E-01 5.00E-01 1.062E-02 2.525E 00 1.061E-03 6.650E 00 -2.507E-04 -3.862E-04 7.300E-01 6.255E-01 1.604E-02 2.675E 00 9.746E-02 3.621E-03 6.650E 00 7.050E-04 3.62E-04 7.000E-01 6.245E-01 1.694E-02 2.675E 00 9.746E-02 3.234E-03 7.150E 00 7.197E-04 3.631E-03 7.000E-01 6.245E-01 1.591E-02 2.773E 00 9.746E-02 3.234E-03 7.150E 00 1.737E-04 3.234E-04 7.000E-01 6.252E-01 7.50E 00 7.499E-0	5.775E-01	4.807E-01	2.012E-02	2.240E 00	1.478E-01	5.960E-03	6.050F 00	5.692E-04	6.915E~04
i i do 2 - or 5.35 dz - or 2.22 tz - oz 2.32 0 z 00 1.490 E - or 5.26 3 z - oz 6.25 0 z 00 8.23 z - ou 5.73 z - ou d. 500 z - Or 4.94 5 z - or 2.15 0 z - oz 2.400 z 00 1.90 z - oz 4.56 z - oz 4.00 z - oz 4.00 z - oz 4.56 z - oz 4.00 z - oz 4.00 z - oz 4.56 z - oz 4.00 z - oz 4.00 z - oz 4.56 z - oz 4.00 z - oz 4.35 z - oz 4.00 z - oz 4.20 z - oz 3.23 z - oz 4.00 z - oz 4.20 z - oz 3.23 z - oz 4.20 z - oz </td <td>5.925E-01</td> <td>5.174E-01</td> <td>2.135E-02</td> <td>2.280E 00</td> <td>1.330E-01</td> <td>5.603E-03</td> <td>6.150E 00</td> <td>8.009E-04</td> <td>5.738E-04</td>	5.925E-01	5.174E-01	2.135E-02	2.280E 00	1.330E-01	5.603E-03	6.150E 00	8.009E-04	5.738E-04
$ \begin{array}{c} 6.300 \mbox{p} - 01 & 4.305 \mbox{p} - 01 & 2.187 \mbox{p} - 02 & 2.400 \mbox{p} 0 & 1.990 \mbox{p} - 01 & 4.506 \mbox{p} - 01 & 4.515 \mbox{p} 0 & 5.571 \mbox{p} - 01 \\ 6.700 \mbox{p} - 01 & 4.8197 \mbox{-} 01 & 1.957 \mbox{p} - 02 & 2.4400 \mbox{p} 0 & 1.0927 \mbox{p} - 01 & 4.515 \mbox{p} - 03 & 6.550 \mbox{p} 0 & -1.501 \mbox{p} - 4.208 \mbox{p} - 4$	6.100E-01	5.358E-01	2-221E-02	2.320F 00	1.190E-01	5.263E-03	6.250E 00	8.823E-04	5.730E-04
	6.300F-01	5.2218-01	2.187E-02	2.360E 00	1.090E-01	S.06CE-03	6.350E 00	6.987E-04	5.5712-04
	6.500E-01	4.9452-01	2.1158-02	2.400E 00	1.027E-01	4.58€E-03	6.450E 00	3.163E-04	5.438E-04
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6.700E-01	4.819E-01	1.957E-02	2.440E 00	9.910E-02	4.313E-03	6.550E 00	-1.501E-04	-4.924E-04
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6.900E-01	5.042E-01	1.798E-02	2.4802 00	1.003E-01	4.359E-03	6.650E 00	-3.680 E+04	-4.205E-04
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7.10CF-C1	5.581E-01	1.764E-02	2.525E 00	1.087E-01	4.5882-03	6.750E 00	-2.547E-04	-3.862E-04
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7.300E-01	6.CE3B-01	1.704E-02	2.575E 00	1.184E-01	4.786E-03	6.850E DO	1.902E-04	3.836E-04
$\begin{array}{c} 7,700 \ e^{-01} & 6.24 \ 3 \pm 0.01 & 1.657 \ E^{-02} & 2.675 \ E^{-00} & 7.249 \ E^{-03} & 7.050 \ E^{-03} & 7.050 \ E^{-04} & 7.291 \ E^{-04} & 3.087 \ E^{-04} & 4.087 \ E^{-04} & 1.837 \ E^{-04} & 2.471 \ E^{-05} & 2.442 \ E^{-03} & 7.550 \ E^{-01} & -4.43 \ E^{-05} & 1.443 \ E^{-04} & 2.55 \ E^{-04} & 2.471 \ E^{-05} & 2.442 \ E^{-03} & 7.550 \ E^{-01} & 1.595 \ E^{-02} & 2.575 \ E^{-04} & 3.030 \ E^{-04} & 3.031 \ E^{-04} & 3.030 \ E^{-04} & 3.030 \ E^{-04} & 3.031 \ E^{-04} & 3.031 \ E^{-04} & 3.030 \ E^{-04} & 3.030 \ E^{-04} & 3.031 \ E^{-04} & 3.030 \ E^{-04} & 3.030 \ E^{-04} & 3.031 \ E^{-04} & 3.030 \ E^{-04} & 3.300 \ E^{-05} & 5.311 $	7.500E-01	6.245E-C1	1.694E-02	2.625E 00	1.157E-01	4.503E-03	6.950E 0C	6.219E-04	3.611E-04
$\begin{array}{c} 7,900E-01 \\ 8,100E-01 \\ 8,100E-01 \\ 8,100E-01 \\ 4,61E-01 \\ 1,491E-02 \\ 1,491E-02 \\ 2,875E \\ 00 \\ 4,50E-01 \\ 4,01BE+01 \\ 1,491E-02 \\ 2,875E \\ 00 \\ 4,50E-02 \\ 2,73EE-03 \\ 7,350E \\ 00 \\ 4,50E-03 \\ 7,450E \\ 00 \\ 4,50E-01 \\ 4,01BE+01 \\ 1,491E+02 \\ 2,875E \\ 00 \\ 4,50E-02 \\ 2,875E \\ 00 \\ 4,50E-02 \\ 2,424E-03 \\ 7,50E \\ 00 \\ 4,50E-03 \\ 7,50E \\ 00 \\ 1,955E-03 \\ 1,898E-05 \\ 1,898E-02 \\ 1,898E-05 \\ 1,898E-02 \\ 1,898E-02 \\ 1,898E-02 \\ 1,898E-03 \\ 1,898E-02 \\ 1,898E-03 \\ 1,898E-02 \\ 1,998E-03 \\ 1,898E-02 \\ 1,998E-02 \\ 1,998E-03 \\ 1,898E-02 \\ 1,998E-02 \\ 1,998E-03 \\ 1,898E-02 \\ 1,998E-02 \\ 1,998E-03 \\ 1,998E-02 \\ 1,998E-03 \\ 1,998E-03 \\ 1,998E-02 \\ 1,998E-03 \\ 1,998E-02 \\ 1,998E-03 \\ 1,998E-03 \\ 1,998E-02 \\ 1,998E-03 \\ 1,998E-02 \\ 1,998E-03 \\ 1,998$	7.700E-01	6.2431-01	1.657E-02	2.675E 00	9.746E-02	3.887E-03	7.050E CO	7.291E-04	3.087E-04
2.1002-01 3.4612-01 1.4912-02 2.825E-00 5.150E-02 2.732E-03 7.250E 00 1.964E-05 -1.672E-04 8.500E-01 4.018E-01 1.417E-02 2.875E 00 4.536E-02 2.497E-03 7.450E 00 -4.389E-05 -1.552E-04 8.500E-01 3.631E-01 1.337E-02 2.952E 00 3.528E-02 2.424E-03 7.660E 00 9.611E-05 1.463E-04 8.900E-01 3.631E-01 1.330E-02 2.975E 00 3.528E-02 2.307E-03 7.660E 00 9.611E-05 1.463E-04 9.375E-01 3.623E-01 1.399E-02 3.030E 00 3.156E-02 2.062E-03 7.760E 00 1.32E-04 9.463E-05 9.625E-01 4.432E-01 1.595E-02 3.150E 00 2.843E-02 2.062E-03 7.760E 00 1.35E-05 9.035E-05 9.625E-01 4.501E-01 1.771E-02 3.210E 00 2.843E-02 2.062E-03 8.100E 00 7.660E-05 9.065E-05 1.063E-05 8.935E-05 1.055E-02 1.054E-03 8.100E 00 7.660E-05 9.065E-05 1.055E-02 1.054E-03 8.260E 00 6.185E-05 7.632E-05 1.056E-02	7.900E-01	6.029E-01	1.5802-02	2.725E 00	7.499E-02	3.234E-03	7.150E 00	5.104E-04	2.4712-04
$\begin{array}{c} \mathbf{E}, 200 [\mathbf{P} - 0] & \mathbf{u}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 300 [\mathbf{P} - 0] & \mathbf{u}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{P} - 0] & \mathbf{u}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{P} - 0] & \mathbf{u}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{P} - 0] & \mathbf{u}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{P} - 0] & \mathbf{u}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{P} - 0] & \mathbf{u}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{P} - 0] & \mathbf{u}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{P} - 0] & \mathbf{u}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{P} - 0] & \mathbf{u}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{P} - 0] & \mathbf{u}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{P} - 0] & \mathbf{u}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{P} - 0] & \mathbf{u}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{P} - 0] & \mathbf{u}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{P} - 0] & \mathbf{u}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{P} - 0] & \mathbf{u}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{P} - 0] & \mathbf{U}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{U}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{U}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{U}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{U}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{U}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{U}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{U}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{U}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{U}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{U}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{U}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{U}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{U}, \mathbf{E} / \mathbf{E} - 0 \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{E}, 700 [\mathbf{E} - 0] \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{E}, 700 [\mathbf{E} - 0] \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{E}, 700 [\mathbf{E} - 0] \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{E}, 700 [\mathbf{E} - 0] \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{E}, 700 [\mathbf{E} - 0] \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{E}, 700 [\mathbf{E} - 0] \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{E}, 700 [\mathbf{E} - 0] \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{E}, 700 [\mathbf{E} - 0] \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{E}, 700 [\mathbf{E} - 0] \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{E}, 700 [\mathbf{E} - 0] \\ \mathbf{E}, 700 [\mathbf{E} - 0] & \mathbf{E}, 700 [\mathbf{E} - 0] \\ \mathbf{E}, 700 [\mathbf{E} - $	8.10CE-C1	5-4618-01	1.5558-02	2.7751 00	5.9686-02	2.9298-03	7.2501 00	1.790 E-04	1.8795-04
6. 500E-01 4. 618201 1. 4172-02 2. 635E 00 4. 335E-02 2. 437E-03 1. 430E 00 -4. 355E-05 1. 644E-04 8. 9002-01 3. 631E-01 1. 330E-02 2. 575E 00 3. 52EE-02 2. 307E-03 7. 660E 00 9. 611E-05 1. 464E-04 9. 125E-01 1. 631E-01 1. 330E-02 3. 030E 00 3. 131E-02 2. 206E-03 7. 780E 00 1. 252E-04 1. 068E-04 9. 375E-01 4. 162E-01 1. 390E-02 3. 030E 00 3. 131E-02 2. 065E-03 7. 780E 00 1. 355E-05 8. 935E-05 9. 625E-01 4. 43EE-01 1. 595E-02 3. 150E 00 2. 4843E-02 2. 065E-03 8. 140E 00 7. 660E 00 8. 935E-05 9. 625E-01 4. 43EE-01 1. 754E-02 3. 270E 00 1. 955E-02 1. 654E-03 8. 260E 00 6. 185E-05 7. 673E-05 1. 053E 00 4. 335E-02 3. 330E 00 1. 742E-02 1. 655E-03 8. 260E 00 2. 581E-05 5. 902E-05 1. 051E 01 1. 754E-02 3. 350E 00 1. 695E-02 1. 555E-02 1. 555E-02 1. 555E-02 1. 555E-02 1. 555E-03 8. 200E 00 2. 581E-0	8.300E-01	4.0102-01	1.4915-02	2.0252.00	5.150E-02	2./302-03	7.3508 00	- 1.9046-00	-1.0/26-04
0.1002-01 3.6311-01 1.3312-02 2.7526 00 3.5222 0.2002 1.222.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.00 1.0312.	8.5002-01	3 6795-01	1.3378-02	2.0758.00	4.330E-02	2 4972-03	7.450E 00 7.550F 00	1 9558-05	1 6448-04
0:1000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:0000 1:00000 1:00000 1:00000 1:00000 1:00000 1:00000 1:00000 1:00000 1:00000 1:00000 1:00000 1:00000 1:00000 1:000000 1:000000 1:000000 1:0000000 1:000000 1:0000000 </td <td>8 0002-01</td> <td>3 6311+01</td> <td>1 330 5-02</td> <td>2 9758 00</td> <td>3.5288-02</td> <td>2 3078-03</td> <td>7 660 8 00</td> <td>9 6118-05</td> <td>1 4638-04</td>	8 0002-01	3 6311+01	1 330 5-02	2 9758 00	3.5288-02	2 3078-03	7 660 8 00	9 6118-05	1 4638-04
3,375E-01 4.162E-01 1.390E-02 3.090E 00 3.156E-02 2.095E-03 7.900E 00 1.135E-04 9.435E-05 9,625E-01 4.43E-01 1.595E-02 3.150E 00 2.843E-02 2.002E-03 8.020E 00 8.963E-05 8.935E-05 9,672E-01 4.501E-01 1.7721E-02 3.210E 00 2.3948E-02 2.065E-03 8.140E 00 7.6602-05 9.065E-05 1,032E 00 4.526E-01 1.7721E-02 3.270E 00 1.955E-02 1.954E-03 8.260E 00 6.185E-05 7.673E-05 1,032E 00 4.323E-01 1.683E-02 3.390E 00 1.753E-02 1.554E-03 8.380E 00 4.729E-05 6.917E-05 1,063E 00 4.323E-01 1.838E-02 3.390E 00 1.595E-02 1.659E-03 8.620E 00 4.421E-06 6.409E-05 1,112E 00 3.3371-01 1.4191E-02 3.510E 00 1.518E-02 1.628E-03 8.620E 00 1.978E-05 5.671E-05 1,132E 00 2.830E-01 1.257E-02 3.570E 00 1.376E-02 1.768E-03 8.860E 00 1.978E-05 5.671E-05 1,132E 00 2.969E-01 1.257E-02<	9.1258-01	3.8237-01	1. 349E+02	3.030E 00	3. 313E+ 02	2.206E-03	7.780F 00	1. 2228-04	1.0685-04
9.625P-01 4.43E-01 1.595P-02 3.150P 00 2.63P-02 2.102P-03 8.020P 00 8.963P-05 6.935P-05 9.935P-05 9.085P-05 1.022D 04 9.085P-05 9.085P-05 1.037P 00 1.955P-02 1.554P-03 8.260F 00 6.185P-05 7.673P-05 6.917P-05 6.912P-05 6.912P-05 6.912P-05 6.912P-05 6.912P-05	9. 1757-01	4.1822-01	1.3908-02	3.090E 00	3.156E+02	2.095E-03	7.900E 00	1.135E-04	9.4358-05
9.8752-01 4.501F-01 1.787F-02 3.210F 00 2.3948-02 2.0652-03 8.1407 00 7.6608-05 9.0852-05 1.012E 00 4.526F-01 1.721E-02 3.270E 00 1.958E-02 1.954E-03 8.260F 00 6.185E-05 7.673E-05 1.037E 0 4.332E-02 3.330E 00 1.744E-02 1.645E-03 8.380F 00 4.729E-05 6.9172-05 5.902E-05 1.063E 00 4.332E-01 1.838E-02 3.390E 00 1.744E-02 1.6455E-03 8.500E 00 4.729E-05 5.902E-05 1.9172-05 1.063E 00 3.3371-01 1.419E-02 3.510E 00 1.555E-02 1.655E-03 8.620E 00 4.421E-06 6.092E-05 5.211E-05 1.137E 00 2.830E-01 1.257E-02 3.570E 00 1.21E-02 2.323E-03 8.980E 00 4.225E-05 5.211E-05 5.211E-05 5.211E-05 5.211E-05 5.211E-05 5.211E-05 5.211E-05 5.224E-05 4.467E-05 4.331E-05 5.224E-05 4.475E-05	9.6257-01	4.438E-01	1.5958-02	3.150E 00	2.8432-02	2.102E-03	8.020E 00	8.963E-05	8.9358-05
1.012 00 4.526E-01 1.721E-02 3.270E 00 1.955E-02 1.954E-03 8.260E 00 6.185E-05 7.673E-05 1.037E 0C 4.516E-01 1.643E-02 3.330E 00 1.744E-02 1.695E-03 8.380E 00 4.729E-05 6.917E-05 1.067E 00 4.323E-01 1.843E-02 3.390E 00 1.753E-02 1.655E-03 8.620E 00 2.581E-05 5.902E-05 1.067E 00 3.651E-01 1.754E-02 3.450E 00 1.695E-02 1.652E-03 8.620E 00 4.421E-06 6.4092-05 1.112E 00 3.337E-01 1.495E-02 3.550E 00 1.58E-02 1.628E-03 8.620E 00 4.421E-06 6.4092-05 1.112E 00 2.830E-01 1.256E-02 3.570E 00 1.376E-02 1.768E-03 8.60E 00 1.978E-05 5.671E-05 1.162E 0C 2.089E-01 1.256E-02 3.690E 00 9.182E-03 2.456E-03 9.100E 00 5.224E-05 4.467E-05 1.212E 00 2.064F-01 1.637E-02 3.690E 00 9.182E-03 1.955E-03 9.20E 00 4.775E-05 4.212E-05 1.227E 00 2.064F-01 1.537E-02	9.875E-01	4.501E-01	1.7871-02	3.210E 00	2.394E-02	2.065E-03	8.140F 00	7.660E-05	9.0852-05
1.037£ CC 4.516F-01 1.643F-02 3.330£ 00 1.744F-02 1.695E-03 8.380£ 00 4.729E-05 6.917E-05 1.063£ 00 4.3C3E-01 1.838E-02 3.390£ 00 1.753F-02 1.154F-03 8.500E 00 2.581E-05 5.902E-05 1.063£ 00 3.337E 00 1.753F-02 1.655F-03 8.620E 00 4.421E-06 6.409E-05 1.112£ 00 3.331E 01 1.419F-02 3.510E 00 1.518E-02 1.628E-03 8.740E 00 7.040E-06 6.022E-05 1.137£ 00 2.830E-01 1.257E-02 3.630E 00 1.201E-02 2.323E-03 8.980E 00 4.205E-05 5.671E-05 1.168£ CC 2.206E C1 1.692E-02 3.630E 00 1.201E-02 2.323E-03 9.980E 00 4.205E-05 5.21E-05 1.237E 00 1.695F-01 1.635F-02 3.600E 00 5.788E-03 9.520E-03 9.340E 00 4.250E-05 4.212E-05 1.237E 00 1.969F-01 1.545F-02 3.610E 00 5.788E-03 1.595E-03 9.340E 00 4.250E-05 4.212E-05 1.237E 00 1.969F-01 1.545F-02 3.670E 00 6.332E-03	1.012E 00	4.526E-01	1.721E-02	3. 270E 00	1.955E-02	1.954E-03	8.260E 00	6,185E-05	7.673E-05
1.063200 4.3232E-01 1.838E-02 3.390E00 1.753E-02 1.754E-03 8.500E00 2.581E-05 5.902E-05 1.067E00 3.661E-01 1.754E-02 3.450E00 1.655E-02 1.655E-03 8.620E00 4.421E-06 6.409E-05 1.117E00 2.830E-01 1.419E-02 3.510E00 1.518E-02 1.622E-03 8.74050 7.0405-06 6.022E-05 1.137E00 2.830E-01 1.257E-02 3.570E00 1.376E-02 1.628E-03 8.74050 7.0405-06 6.022E-05 1.162E0 2.303E-01 1.257E-02 3.630E00 9.102E-02 2.323E-03 8.980E00 1.978E-05 5.671E-05 1.162E0 2.302E-01 1.492E-02 3.650E00 9.182E-03 2.456E-03 9.100E00 5.224E-05 4.467E-05 1.237E00 1.959E-01 1.631E-02 3.750E00 6.392E-03 1.509E-03 9.300E00 4.250E-05 4.212E-05 1.237E00 1.959E-01 1.469E-02 3.990E00 6.332E-03 1.367E-03 9.470E00 3.352E-05 3.713E-05 1.262E00 1.938E-01 1.4495E-02 3.990E00	1.037E CC	4.516E-01	1.643E-02	3.330E 00	1.744E-02	1.895E-03	8.380E 00	4.729E-05	6.917E-05
1.087200 3.661F-01 1.7542-02 3.450200 1.6952-02 1.6592-03 8.620200 4.4212-06 6.4092-05 1.112200 3.3371-01 1.45972-02 3.510200 1.5182-02 1.6282-03 8.740500 7.04052-06 6.2022-05 1.137200 2.8307-01 1.2572-02 3.570200 1.3762-02 1.7682-03 8.860700 1.9782-05 5.6712-05 1.162202 2.2020E-01 1.2562-02 3.690700 9.182E-03 2.456E-03 9.9000 4.2052-05 5.2118-05 1.162200 2.06472-01 1.6378-02 3.750200 6.5982-03 1.9552-03 9.202000 4.7752-05 4.3312-05 1.237200 2.06472-01 1.65378-02 3.690700 5.7882E-03 1.9552-03 9.202000 4.7752-05 4.2122-05 1.2627200 1.9597-01 1.46972-02 3.690700 6.3922E-03 1.3672-03 9.470700 3.3522-05 3.7135-05 1.2627200 1.9597-01 1.46972-02 3.930700 6.81322-03 1.3442-03 9.470700 3.3522-05 3.7135-05 1.2627200 2.0542E-01 1.4592702	1.063E 00	4.3C3E-01	1.838E-02	3.390E 00	1.753E~02	1.754E-03	8.500E 00	2.581E-05	5.902E-05
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.0872 00	3.861E-01	1.754E-02	3.450E 00	1.695E~02	1.659E-03	8.620E 00	4.421E-06	6.409E-05
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.112E 00	3.337E-01	1.419E-02	3.510E 00	1.518E-02	1.628E-03	8.740E 00	7.040E-06	6.022E-05
1.162r 0C 2.489E-01 1.256E-02 3.630E 00 1.201E-02 2.323E-03 8.980E 00 4.205E-05 5.211E-05 1.188E C 2.230E-01 1.492E-02 3.690E 00 9.182E-03 9.496E-03 9.100E 00 5.224E-05 4.467E-05 1.237E 00 2.064E-01 1.631E-02 3.750E 00 6.598E-03 1.955E-03 9.20E 00 4.775E-05 4.212E-05 1.237E 00 1.969E-01 1.595E-02 3.910E 00 5.388E-03 1.5052E-03 9.20E 00 4.275E-05 4.212E-05 1.2627 00 1.938F-01 1.469E-02 3.97CE 00 6.332E-03 1.367E-03 9.470F 00 3.352E-05 3.713E-05 1.2617 00 1.969E-01 1.449E-02 3.930E 00 6.332E-03 1.364E-03 9.610E 00 2.328E-05 2.208UE-05 2.208UE-05 2.208UE-05 2.430E-05 2.430E-05 2.430E-05 2.430E-05 2.430E-05 2.430E-05 2.430E-05 2.430E-05 2.430E-05 2.430E-05 <td< td=""><td>1.137E 00</td><td>2.830E-01</td><td>1.2576-02</td><td>3.570E 00</td><td>1.376E-02</td><td>1.768E-03</td><td>8.860E 00</td><td>1.978E-05</td><td>5.6718-05</td></td<>	1.137E 00	2.830E-01	1.2576-02	3.570E 00	1.376E-02	1.768E-03	8.860E 00	1.978E-05	5.6718-05
1.188 C C 2.220E-C1 1.492E-02 3.690 E 00 9.182E-03 2.456E-03 9.100 E 00 5.224E-05 4.467E-05 1.227 E 00 1.691F-01 1.631F-02 3.700 E 00 5.788E-03 1.955E-03 9.20E 00 4.775E-05 4.212E-05 1.237 E 00 1.969F-01 1.545F-02 3.610E 00 5.788E-03 1.955E-03 9.20E 00 4.775E-05 4.212E-05 1.262 E 00 1.938F-01 1.469F-02 3.670E 00 6.392E-03 1.367E-03 9.407 E 00 3.352E-05 3.711E-05 1.201 C 1.956F-01 1.4469F-02 3.970E 00 6.392E-03 1.344E-03 9.610E 00 2.33EF-05 2.457E-05 1.201 C 1.956F-01 1.447E-02 3.990E 00 6.632E-03 1.344E-03 9.610E 00 2.32EF-05 2.457E-05 1.305 E 00 2.165E-01 1.447E-02 3.990E 00 6.632E-03 1.344E-03 9.690E 00 1.003F 01 4.938E-06 2.306E-05 1.305 E 00 2.182E-01 1.222E-02 4.110E 00 5.287E-03 1.224E-03 1.003F 01 4.938E-06 2.306E-05 4.455E-05 4.455E-05 4.5	1.162F 0C	2.489E-01	1.256E-02	3.630E 00	1.201E-02	2.323E-03	8.980E 00	4.205E-05	5.211E-05
1.212E 00 2.064E-01 1.631E-02 3.750E 00 6.598E-03 1.955E-03 9.220E 00 4.775E-05 4.331E-05 1.227E 00 1.969E-01 1.5637E-02 3.810E 00 5.788E-03 1.509E-03 9.20E 00 4.250E-05 4.212E-05 1.262E 00 1.938E-01 1.469E-02 3.670E 00 6.392E-03 1.367E-03 9.470E 00 3.352E-05 3.713E-05 1.261E 00 1.938E-01 1.469E-02 3.690E 00 6.632E-03 1.367E-03 9.470E 00 3.352E-05 3.713E-05 1.315E 00 2.036E-01 1.447E-02 3.990E 00 6.815E-03 1.314E-03 9.750E 00 1.519E-05 2.437E-05 1.315E 00 2.036E-01 1.222E-02 4.050E 00 6.139E-03 1.244E-03 9.690E 00 1.009E-05 2.206E-05 1.395E 00 2.296E-01 1.222E-02 4.110E 00 5.287E-03 1.224E-03 1.003F 01 4.938E-06 2.306E-05 1.405E 00 2.296E-01 1.222E-02 4.170E 00 4.291E-03 1.017E 01 -1.175E-05 -3.719E-05 1.405E 00 2.542E-01 1.223E-02 4.320E 00 </td <td>1.188E CC</td> <td>2.230E-C1</td> <td>1.4928-02</td> <td>3.690F 00</td> <td>9.182E-03</td> <td>2.456E-03</td> <td>9.100E 00</td> <td>5.224E-05</td> <td>4.467E-05</td>	1.188E CC	2.230E-C1	1.4928-02	3.690F 00	9.182E-03	2.456E-03	9.100E 00	5.224E-05	4.467E-05
1.237E 00 1.3991E-01 1.3952E-02 3.870E 00 0.5788E-03 1.5092E-03 9.340E 00 4.2502E-05 4.212E-05 1.262E 00 1.393E-01 1.4692E-02 3.870E 00 6.3922E-03 1.3672E-03 9.470E 00 3.352E-05 2.713E-05 1.261E 00 2.026E 1.3402E-03 1.3672E-03 9.470E 00 2.328E-05 2.830E-05 1.315E 00 2.036E 01 1.447E-02 3.990E 00 6.815E-03 1.314E-03 9.510E 00 2.328E-05 2.830E-05 1.315E 00 2.1651E-01 1.322E-02 4.050E 06 6.139E-03 1.2448E-03 9.690E 00 1.009PE-05 2.206E-05 1.375E 00 2.162E-01 1.226E-02 4.110E 00 5.287E-03 1.248E-03 1.003F 01 4.9382-06 2.306E-05 1.495E 00 2.298E-01 1.222E-02 4.110E 00 5.287E-03 1.223E-03 1.003F 01 4.9382-06 2.306E-05 1.495E 00	1.212E 00	2.0641-01	1.6318-02	3.750E 00	6.598E-03	1.9552-03	9.2208 00	4.775E-05	4.331E-05
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.237E 00	1.9691-01	1.5452-02	3.8102.00	5./885-03	1.0092-03	9.3401 00	4.2508-05	4.2128-05
1.2072 0.0 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 1.3492-03 <td< td=""><td>1.26 2E 00</td><td>1.9382-01</td><td>1.4692-02</td><td>3. 2702 00</td><td>6. 3828-03</td><td>1.30/6-03</td><td>9.4702 00</td><td>3.3521-05</td><td>3./131-05</td></td<>	1.26 2E 00	1.9382-01	1.4692-02	3. 2702 00	6. 3828-03	1.30/6-03	9.4702 00	3.3521-05	3./131-05
1.345E 00 2.155E-01 1.375E 00 2.155E-01 1.375E 00 2.155E-01 1.375E 00 2.155E-01 2.206E-05 1.345E 00 2.165E-01 1.375E 00 4.055E 00 6.138E-03 1.244E-03 9.890E 00 1.099E-05 2.206E-05 1.375E 00 2.165E-01 1.268E-02 4.110E 00 5.287E-03 1.222E-03 1.003F 01 4.938E-06 2.306E-05 1.405E 00 2.296E-01 1.222E-02 4.170E 00 4.829E-03 1.223E-03 1.017E 01 -1.175E-05 ~3.719E-05 1.435E 00 2.5428E-01 1.222E-02 4.240E 00 4.575E-03 1.145E-03 1.031E 01 -1.873E-05 ~4.558E-05 1.465E 00 2.5428E-01 1.263E-02 4.320E 00 4.575E-03 1.153E-03 1.045E 01 -1.6508-05 ~4.935E-05 1.495E 00 2.640E-01 1.214E-02 4.400E 00 3.869E-03 1.161E-03 1.059E 01 -1.063E-05 ~4.804E-05 1.552E 00 2.738E-01 1.259E-02 4.480E 00 2.891E-03 1.094E-03 1.059E 01 -1.063E-05 ~4.804E-05	1.28 /2 00	1.3092-01	1.9142-02	3.9301 00	6 915 P-03	1 3168-03	9.0101 00	1 5198-05	2.0305-05
1.375 00 2.102F01 1.268F02 4.110F 00 5.287F03 1.226F03 1.003F 01 4.938F06 2.306E-05 1.405F 00 2.298F01 1.222F02 4.170F 00 5.287F03 1.2228F03 1.017F 01 -1.175F05 -3.719F05 1.405F 00 2.298F01 1.272F02 4.20F0 00 4.791F03 1.145F03 1.017F 01 -1.673F05 -3.719F05 1.465F 00 2.542F01 1.263F02 4.320F 00 4.575F03 1.153F03 1.045F 01 -1.650F05 -4.935F05 1.495F 00 2.640F01 1.214F02 4.400F 00 3.869F03 1.181F03 1.059F 01 -1.063F05 -4.804F05 1.555F 00 2.738F01 1.259F02 4.400F 00 2.891F03 1.192F03 1.059F 01 -1.063F05 -4.804F05	1 3458 00	2.0305-01	1 3778-07	a 050x 00	6 1398-02	1 2008-03	9.8908 00	1.0098-05	2.4375-03
1.405E 00 2.228E-01 1.222E-02 4.170E 00 4.629E-03 1.223E-03 1.017E 01 -1.175E-05 -2.170E-05 1.435E 0C 2.428E-01 1.272E-02 4.240E 00 4.629E-03 1.223E-03 1.017E 01 -1.175E-05 -3.119E-05 1.435E 0C 2.428E-01 1.272E-02 4.240E 00 4.575E-03 1.031E 01 -1.650E-05 -4.558E-05 1.455E 0C 2.542E-01 1.263E-02 4.320E 00 4.575E-03 1.531E-03 1.045E 01 -1.650E-05 -4.935E-05 1.495E 0C 2.640E-01 1.214E-02 4.400E 00 3.669E-03 1.091E-03 1.059E 01 -1.063E-05 -4.804E-05 1.525E 0C 2.736E-01 1.259E-02 4.480E 00 2.891E-03 1.094E-03 1.059E 01 -1.083E-05 -4.804E-05	1 3758 00	2.1825-01	1. 268 - 02	4.1108.00	5. 2878-03	1.2268-03	1.0037 01	4.9388-06	2.306E-05
1.435E 00 2.428E-01 1.272E-02 4.240E 00 4.791E-03 1.455E-03 1.031E 01 -1.873E-05 -4.558E-05 1.455E 00 2.542E-01 1.263E-02 4.320E 00 4.575E-03 1.153E-03 1.045E 01 -1.650E-05 -4.935E-05 1.495E 00 2.640E-01 1.246E-02 4.400E 00 3.869E-03 1.181E-03 1.059E 01 -1.083E-05 -4.804E-05 1.552E 00 2.738E-01 1.259E-02 4.400E 00 2.891E-03 1.094E-03 1.059E 01 -1.083E-05 -4.804E-05	1.4058 00	2.2981-01	1-2228-02	4. 170E 00	4 8295-03	1.2238-03	1.017E 01	-1.1758-05	~3.7198-05
1.4552 00 2.5422-01 1.2632-02 4.3207 00 4.5752-03 1.1531-03 1.0452 01 -1.6502-05 ~4.9352-05 1.4952 00 2.6402-01 1.2142-02 4.4002 00 3.8692-03 1.1812-03 1.0592 01 -1.0832-05 ~4.8042-05 1.5252 00 2.7382-01 1.2592-02 4.4802 00 2.8912-03 1.0942-03	1.4358 00	2-4282-01	1. 272E-02	4. 240E 00	4 791E-03	1.145E-03	1.031E 01	-1.873E-05	~4.558E-05
1.495E 00 2.640E-01 1.214E-02 4.400E 00 3.869E-03 1.181E-03 1.059E 01 -1.083E-05 ~4.804E-05 1.525E 00 2.738E-01 1.259E-02 4.480E 00 2.891E-03 1.094E-03	1.465E 00	2.5428-01	1.2638-02	4.320 - 00	4.5758-03	1.153E-03	1.0455 01	-1.6508-05	~4.9358-05
1.525E 00 2.738E-01 1.259E-02 4.480E 00 2.891E-03 1.094E-03	1.495E 00	2.6405-01	1.214E-02	4.400E 00	3.8692-03	1. 181E-03	1.0598 01	-1.083E-05	~4.804E-05
	1.525E 00	2.738E-01	1.259 E-02	4.480E 00	2.891E-03	1.0948-03			

PHOTON ENERGY INTERVAL	K-SECTION	ERROR
(MEV)	(B/SR)	(B/SF)
3.000E-01 - 4.000E-01	3.419E-02	3.881E-01
4.000E-01 - 5.000E-01	2.649E-02	3.514E-03
5.000E-01 - 6.000E-01	4.473E-02	2.383E-03
6.000E-01 - 7.000E-01	5.077E-02	2.055 2-03
7.000E-01 - 8.000E-01	6.024E-02	1.6802-03
8.000E-01 - 1.000E 00	8.533E-02	2.953E-03
1.000E 00 - 1.200E 00	7.023E-02	3.0918-03
1.200E 00 - 1.400E 00	4. 1111-02	2.860E-03
1.400E 00 - 1.600E 00	5.251E-02	2.4928-03
1.60CE 00 - 1.800E 00	4.989E-02	2.0402-03
1.800F 00 - 2.000E 00	4.591E-02	1.707E-03
2.000E 00 - 2.500E 00	7.2791-02	2.915 E-03
2.500E 00 - 3.000E 00	3.734E-02	1.6952-03
3.000E 00 - 3.500E 00	1. 164E-02	9.764E-04
3.500E 00 - 4.000E 00	4.515E-03	8.8112-04
4.000E 00 - 4.500E 00	2.345E-03	5.924 E-04
4.500E 00 - 5.000E 00	4.899E-04	4.3238-04
5.00CE 00 - 6.000E 00	1.215E~04	2.616E-04
6.000F 00 - 7.000E 00	3.275E-04	2.405E-04
7.000E 00 - 8.000E 00	1.797E-04	1.038E-04
8.000E 00 - 9.000E 00	3.934E-05	6.867E-05
9.000E 00 - 1.000E 01	3.059E-05	3.425E-05

DIFFERENTIAL CRCSS SECTIONS FOR GAMMA RAY PRODUCTION IN TH. THE FIRST SET CF KUMBERS IS THE DOUBLY DIFFERENTIAL CHOSS SECTION, WHILE THE SECOND SET IS THE GABMA RAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GAMMA RAY EMERGY INTERVALS. THIS SECCND SET RESULTS FROM INTEGRATION OF THE DOUBLY DIFFERENTIAL CATA. THE UNCERTAINTIES ARE GIVEN IN THE SAME UNITS AS THE DATA AND DO NOT INCLUDE AN ESTI-MATED 10 PERCENT ERROR IN ABSCLUTE NORMALIZATION.

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INCIDENT NEUTRON ENERGY = 5.00 TO 5.99 MEV. ANGLE = 125 DEGREES.

$\begin{array}{c} 1, 0; 5; 0; 0 \\ 5; 2; 0; 0 \\ 5; 2; 0; 0 \\ 5; 2; 0; 0 \\ 5; 2; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5; 0; 0 \\ 5$	PHCTCN ENERGY (MEV)	X-SECTION (E/SB/MEV)	ERROR (E/SR/MEV)	PHOTCN ENERGY (MEV)	X-SECTION (B/SR/MEV)	ERROR (B/SR/MEV)	PHOTON BNERGY (NEV)	X-SECTION (B/SR/MEV)	BRBOR (B/SR/MEV)
	3 0758-01	3.7558-01	4.502E-02	1.555E 00	2.9712-01	1.3628-02	4.560E 00	5.0478-03	9.392E-04
i, jrsge-on, u, jrgi-on, 3, 9552-02 1, 1655 00 2, 2492-01 1, 227E-02 4, 0007 00 1, 0552-03 7, 0742E-04 1, 0742E-04 4, 0007 00 1, 0552-03 7, 0742E-04 1, 0742E-04 4, 0007 00 1, 0552-03 7, 0742E-04 1, 0742E-04 4, 0007 00 1, 0552-03 7, 0742E-04 1, 0742E-04 4, 0007 00 1, 0552-03 7, 0742E-04 4, 0742E-04 1, 0742	3.225E-01	4=2471-01	4.024E+02	1.585E 00	2.9568-01	1.302E-02	4.640E 00	4.417E-03	8.816E-04
1:2:2:2:-01 3.652-01 3.7622-02 1.6652 00 2.7652-01 1.1722-02 4.8007 00 1.6527-03 7.4872-04 1:2:652-01 2.7622-01 1.6647-02 1.7021 00 2.6187-01 1.0722-02 4.8007 00 1.6697-03 6.1362-03 1:2:522-01 2.5187-01 2.5187-01 1.0722-02 4.8007 00 5.5207 00 3.5287-03 6.1362-04 4:7252-01 2.5187-01 9.1587-03 5.2001 00 3.5587-04 7.6548-04 4:7252-01 2.6187-04 7.787-02 1.8007 00 2.5777-01 9.1787-03 5.2001 00 3.5587-04 7.5078-04 4:7252-01 2.6187-04 1.7208 00 2.5277-01 9.1787-03 5.2007 00 5.3587-04 7.5078-04 4:7255-01 2.6481-04 3.977-02 1.9008 00 2.1578-01 7.6682-03 5.8607 00 5.9272-04 6.9978-04 4:7255-01 4.5078-01 4.5078-01 7.6788-03 5.6007 00 5.9272-04 6.4808-04 5.7567 00 5.7667 00 5.9272-04 6.4808-04 5.7556 00 7.1228-04 5.48070 6.45078-04 4.4008-04 5.7556 00 7.1228-	1.375E-01	4.127E-01	3.955E-02	1.615E 00	2.8922-01	1.237E-02	4.720E 00	4.044 E-03	8-217E-04
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4. 225-C1 2.918-C1 3.6378-C2 1.8008 00 2.7778-C1 9.1372-C3 5.2008 00 3.5357-C4 7.6548-C4 4. 225-C1 2.6682-C1 3.714-C2 1.8007 00 2.1176-C1 5.2008 00 5.3357-C4 7.6548-C4 7.2658-C4 4. 3755-C1 2.6168-C1 3.714-C2 1.8007 00 2.1176-C1 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 5.2007 00 7.2007-03 5.5007 00 7.2007-03 5.5007 00 7.2007-03 5.5007 00 7.2007-03 5.5007 00 7.5007-03 5.5007 00 7.50	4.125E-01	2.978E-01	3.528F-02	1.800E 00	2.513E-01	9.678E-03	5.120E 00	3.861E-04	7.867E-04
4. 4252-01 2. (642-01 3. 7142-02 1. 8002 0. 2. (571-0) 9. 1372-03 5. 3602 0. 7. 078-04 7. 5902-04 7. 5902-04 7. 5902-04 7. 5902-04 7. 5902-04 7. 5902-04 7. 5902-04 7. 5902-04 7. 5902-04 7. 5902-04 7. 5902-04 7. 5902-04 7. 5902-04 7. 6902-04 7. 5902-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 6. 3992-04 <td>4.2758-01</td> <td>2.914E-01</td> <td>3.637E-02</td> <td>1.840E 00</td> <td>2.577E-01</td> <td>9.184E-03</td> <td>5.200E 00</td> <td>3.595E-04</td> <td>7.654E-04</td>	4.2758-01	2.914E-01	3.637E-02	1.840E 00	2.577E-01	9.184E-03	5.200E 00	3.595E-04	7.654E-04
u, 572-01 2, 616-01 3, 312-02 1, 5208 00 2, 2212-01 8, 226-03 5, 3408 00 1, 0188-04 7, 5018-04 u, 725-01 2, 2001-01 3, 312-02 2, 0001 00 2, 1118-01 6, 5017-03 5, 4001 00 5, 3402-01 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3902-04 6, 3002-01 7, 0228-03 6, 6502 0, 7, 0228-03 6, 5501 0, 15056-04 5, 5558-04 5, 6382-04 5, 6382-04 5, 6382-04 5, 6382-04 5, 6382-04 5, 6382-04 5, 6382-04 5, 6382-04 5, 6382-04 6, 5501 0, 1, 5528-01 5, 7558-04 5, 6382-04 6, 5302 0, 1, 5328-04 4, 2789-04 4, 2789-04 4, 2789-04 4, 2789-04 4, 5328-01 6, 5501 0, 1, 1526-01	4.4252-01	2.€882-01	3.774E-02	1.880E 00	2.597E-01	9.137E-03	5.2808 00	5.851E-04	7.5902-04
$ \begin{array}{c} 4, 7528-0, 1 \\ 4, 7528-0, 1 \\ 1, 2001-0, 1 \\ 3, 6518-0, 1 \\ 3, 2011-0, 1 \\ 3, 6518-0, 1 \\ 3, 2011-0, 1 \\ 3, 6518-0, 1 \\ 3, 2011-0, 1 \\ 3, 6518-0, 1 \\ 3, 2011-0, 1 \\ 3, 6518-0, 1 \\ 3, 2011-0, 1 \\ 3, 6518-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3, 2011-0, 1 \\ 3$	4.5752-01	2.6161-01	3.831E-02	1.920E 00	2.521E-01	8.928E-03	5.360E 00	7.078E-04	7.501E-04
$ \begin{array}{c} \mathbf{a}_{1} 6_{2} 5_{2} \mathbf{c}_{0} 1_{1} 2_{2} 2_{2} \mathbf{c}_{0} 1_{0} 1_{1} 1_{2} 5_{2} 1_{1} 1_{1} 5_{2} \mathbf{c}_{0} 1_{1} 1_{2} 5_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1_{2} 1$	4.725E-01	2.8091-01	3.7718-02	1.9602.00	2.411E-01	8.507E-03	5.4401 00	6.260E-04	7.2468-04
5.0287-01 4.4312-02 2.0080 00 2.1082-01 3.6007 00 5.3027-02 6.3302-04 5.1327-01 4.5117-02 2.6707-02 2.1080 00 2.1082-01 7.7001-03 5.6507 00 5.4527-04 6.4338-04 5.4752-01 4.7037-01 2.6707-02 2.1080 00 1.9227-01 5.45517 00 5.45517 00 5.45517 00 5.45517 00 5.45517 00 5.45517 00 5.45517 00 5.45517 00 5.45517 00 5.45517 00 5.45517 00 5.6387-03 5.65017 00 5.558-04 4.5558-03 5.05517 00 1.5052-04 4.5588-04 4.2978-04 6.450517 00 1.5052-04 4.5187-04 4.2978-04 4.2978-04 6.55017 0.4218-04 3.0322-04 4.2387-04 4.2387-04 4.2387-04 4.2387-04 4.2387-04 4.2387-04 4.2387-04 4.2387-04 4.2387-04 4.2387-04 4.2382-04 3.0322-04 2.24687-03 6.55017 0.44282-05 3.3322-04 4.5522-03 6.55017 00 1.2287-04	4.875E-01	3.280 E-01	3.6358-02	2.0008 00	2.279E-01	8.020E-03	5.5201 00	5.0881~04	6.7812-04
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.025E-01	3.9558-01	3.4318-02	2.0401 00	2.1612-01	7.8005-03	5.6001 00	5.342E~04	6.9905-04
1.3232-01 4.012-01 2.000-02 2.000-00 1.022-01 5.050 00 1.122-04 5.000-01 5.050 00 5.050 00 5.050 00 5.050 00 5.050 00 5.050 00 5.050 00 5.050 00 5.050 00 5.050 00 5.050 00 5.050 00 5.050 00 5.050 00 5.050 00 5.050 00 5.050 00 5.050 00 1.505 00 1.002 00 0.050 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002 00 1.002	5.175E-01	4,5016-01	3.0976-02	2.0808 00	2.1042-01	7. /002-03	5.6605 00	5. 3325-04	6.039E-04
1.4.752-01 4.7.572-02 2.7000 00 1.7200-01 5.6772-03 5.67500 00 5.6782-03 5.67500 00 5.6782-03 5.67500 00 5.5782-03 5.67500 00 5.5782-03 5.5758-04 5.5582-04 5.5582-04 5.5582-04 5.5582-04 5.5582-04 5.5582-04 4.2798-04 4.2798-04 4.2798-04 4.2798-04 4.2798-04 4.2798-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.4598-04 4.7478-03 6.5508 00 1.1222-05 3.3328-04 4.7478-03 6.5508 00 1.4328-04 7.5508 0.4428-	5,3252-01	4.7432-01	2.0705-02	2.120E 00	1 05 28-01	7.4112-03	5 8505 00	7 1228-04	5 6448-04
1.9292-01 1.992-01 1.1082-02 2.2000 0.17032-01 6.2152-03 6.0500 0.15022-03 5.1558-04 5.1558-04 5.1558-04 5.1558-04 4.2708-04 1.922-01 1.902-01 2.2000 0.1.902-01 5.2022-03 6.2500 01.8532-04 -4.2708-04 6.3002-01 4.0522-01 2.230200 0.1.902-03 6.2502 0.0 -1.1542-04 -4.4598-04 6.3002-01 4.0222-01 2.2308-00 1.3278-01 4.7402-03 6.4502 0.4.1122-05 4.5168-04 6.7002-01 4.6222-01 2.0368-02 2.4402 00 1.2098-01 4.2616E-03 6.6502 0.4.1222-05 2.39682-04 7.1002-01 5.4352-01 1.7578-02 2.5252 00 1.2728-03 6.3502 0.0 1.2228-05 -3.3328-04 7.5002-01 5.4358-01 1.7758-02 2.5252 00 1.2758-03 4.7768-03 6.3502 00 1.2228-05 -3.3318-04 7.5002-01 5.4358-01 1.7078-02 3.1382-03 1.4758-03 7.4552 0.3178-05 2.3988-04 7.9002-01 5.6	5.4/58-01	4.8131-01	2.2012-02	2.1001 00	1 9202-01	6 6778-03	5.9501 00	5 4 35 8-04	5.6898-04
$ \begin{array}{c} 1 \\ c = 1 \\ c $	5.6255-01	4.7942-01 h 7932-01	2.0312-02	2.2005 00	1.7038-01	6.2358-03	6.050F 00	1. 505E-04	5.1558-04
6. 1007-01 2. 1472-02 2. 3202 00 1. 5062-01 5. 5222-03 6. 2502 00 -1. 5428-04 -4. 2792-04 6. 5007-01 5. 025-01 2. 0365-02 2. 4002 00 1. 3127E-01 4. 7402-03 6. 4501 00 4. 112F-05 4. 551E-04 -4. 451E-04 -4. 451E-04 6. 7007-01 4. 5232-01 2. 036F-02 2. 4402 00 1. 224P-01 4. 562E-03 6. 5501 00 4. 112F-05 4. 5332F-04 7. 1007-01 5. 4525-01 1. 262P-02 2. 4402 00 1. 204P-01 4. 5732F-01 4. 272F-05 3. 0332F-04 7. 1007-01 5. 4525-01 1. 262P-02 2. 5525 00 1. 273F-01 4. 2742F-05 -3. 031F-04 7. 5007-01 5. 913E-01 1. 763F-02 2. 5752 00 1. 374F-01 4. 774E-03 6. 4501 00 -6. 373BE-04 7. 9007-01 5. 913E-01 1. 604F-02 2. 6752 00 3. 134E-03 7. 1502 00 3. 134E-03 7. 1502 00 3. 134E-03 7. 1502 00 3. 7350 00 6. 732E-05 2. 067E-04 7. 9007-01 5. 282E-01 1. 431F-02 3. 0302 F00 3. 141E-03 7. 1502 00 3. 3507 00 4. 3842E-05 <	5 6758-01	0 9035-01	2.3028-02	2.280F 00	1-6027-01	5.8038-03	6.1502.00	-7.5608-05	-4.0902-04
	5 1008-01	5 1045-01	2.3476-02	2.320E 00	1.506E-01	5.522E-03	6.2508 00	-1.8538-04	-4.279E-04
$ \begin{array}{c} 6.509 \pm 0.1 & 4.710 \pm 0.1 & 2.298 \pm 0.2 \\ 7.005 \pm 0.1 & 4.010 \pm 0.2 \\ 7.005 \pm 0.1 & 4.0210 \pm 0.2 \\ 7.005 \pm 0.1 & 4.0121 \pm 0.2 \\ 7.005 \pm 0.0 & -1.4918 \pm 0.5 \\ 7.005 \pm 0.0 & -1.5918 \pm 0.0 & -1.5918 \pm 0.0 \\ 7.005 \pm 0.0 & -1.4918 \pm 0.5 \\ 7.005 \pm 0.0 & -1.4918 \pm 0.2 \\ 7.005 \pm 0.0 & -1.4918 \pm 0.5 \\ 7.00$	6 3008-01	5.0301-01	2. 306E-02	2.360E 00	1.418E-01	5-229E-03	6.350E 00	-1.154E-04	-4.459E-04
6.7007-01 4.6252-01 2.036E-02 2.440E 00 1.242E-01 4.652E-03 6.550E 00 4.4232E-05 3.322E-04 7.1008-01 5.455E-01 1.840E-02 2.525E 00 1.275E-01 4.747E-03 6.650E 00 1.122E-05 -3.031E-04 7.300E-01 5.455E-01 1.820E-02 2.552E 00 1.374E-01 4.776E-03 6.850E 00 -1.491E-06 -2.031E-04 7.300E-01 6.1191-01 1.757E-02 2.652E 00 1.374E-01 4.4776E-03 6.850E 00 -1.491E-06 -2.731E-04 7.00E-01 5.245E-01 1.577E-02 2.725E 00 7.350E 01 3.157E-05 2.067E-04 8.00E-01 3.682E-01 1.505E-02 2.725E 00 7.359E-02 2.786E-03 7.450E 00 4.833E-05 1.792E-04 8.500E-01 4.652E-01 1.437E-02 2.825E 00 5.882E-02 2.780E-03 7.450E 00 4.833E-05 1.432E-04 8.500E-01 3.722E-01 1.370E-02 2.975E 00 5.882E-02 2.484E-03 7.50E 00 1.224E-04 2.392E-05 1.422E-04 8.500E-01 3.722E-01 1.370E-02 2.952E 05	6.500E-01	4.7108-01	2. 229 F-02	2.4COE 00	1.327E-01	4.740E-03	6.450E 00	4.112E-05	4.516E-04
c solor=01 4.532r=01 1.8482r=02 2.4407 00 1.2075r=01 4.712r=03 6.6502 00 1.122r=05 2.968r=04 7.1007-01 5.4355r=01 1.62070 2.5752 00 1.2758r=01 4.747r=03 6.7502 00 -1.0917e=05 -1.0917e=05 -1.0917e=04 7.5007-01 6.1918r=01 1.7617e=02 2.5752 00 1.2758r=01 4.4717e=03 6.8501 00 -1.4917e=05 2.3917e=04 7.5007-01 6.4568r=01 1.5677e=02 2.7552 00 9.307Fe=01 3.6148r=03 7.0502 00 3.1578r=05 2.3928r=04 8.1007=01 4.6927e=01 1.505F=02 2.7752 00 9.307Fe=02 2.448F=03 7.2507 00 4.1478r=05 1.2928r=05 1.4928r=05 1.2928r=04 8.5007=01 4.6927e=01 1.405F=02 2.4752 00 5.8628r=02 2.5958r=03 7.5507 00 2.3468r=05 1.4218r=04 8.5007=01 4.6921e01 1.3768e=02 2.9587e=03 7.5507 00 2.3468r=05 1.2428r=04 1.4228r=04 1.4228r=04 1.4228r=04 1.4228r=04 1.4228r=04 1.4228r=04 1.4228r=04 1.4228r=04 1.4228r=03 1.40010	6.700E-01	4.6252-01	2.036E-02	2.440E 00	1.24 1E- 01	4.6522-03	6.550E 00	4.423E-05	3.332E-04
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6.900E-01	4.933E-01	1.848E-02	2.480E 00	1.209 E-0 1	4.816E-03	6.650E 00	1.1228-05	2.968E-04
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7.100E-01	5.455E~01	1.820E-02	2.525E 00	1.275B-01	4.7472-03	6.750£ CO	-1.0428-05	-3.091E-04
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7.300E-01	5.913E-01	1.763E-02	2.575E 00	1.374E-01	4.776E-03	6.8501 00	-1.491E-05	-3.231E-04
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7.500E-01	6.1192-01	1.757E-02	2.€25E 00	1-3358-01	4.471E-03	6.950E 00	-8.124E-06	-2-793E-04
$\begin{array}{c} 7,900\mbox{$2,64\mbox{$2,01$}\ 1,57\mbox{$2,02\mbox{$2,01$}\ 1,50\mbox{$2,01$}\ 2,75\mbox{$2,00$}\ 7,59\mbox{$2,00$}\ 7,59\mbox{$2,00$}\ 7,59\mbox{$2,00$}\ 7,59\mbox{$2,00$}\ 7,550\mbox{$2,00$}\ 0,4\mbox{$3,38\mbox{$2,00$}\ 1,40\mbox{$2,00$}\ 1,20\mbox{$2,00$}\ 1,20$	7.70CE-C1	6.0762-01	1.684E-02	2.675E 00	1.150E-01	3.8142-03	7.050E 00	3.157E-05	2.398E-04
8.300E-01 5.326E-01 1.505E-02 2.775E 00 7.359E 7.250E 00 8.787E-05 1.929E-04 8.306E-01 8.300E-01 4.043E-01 1.405E-02 2.780E-02 2.780E-03 7.350E 00 4.838E-05 1.709E-04 8.500E-01 3.722E-01 1.376E-02 2.925E 00 5.388E-02 2.445E-03 7.550E 00 1.248E-05 1.219E-04 8.900E-01 3.767E-01 1.370E-02 2.975E 00 4.825E-02 2.318E-03 7.550E 00 1.248E-05 1.219E-04 9.125E-01 4.062E-01 1.3218-02 3.030E 00 4.204E-02 2.366E-03 7.900E 00 4.065E-05 1.0122E-04 9.375E-01 4.538E-01 1.538E-02 3.101E-00 3.400E 0.202E 00 -7.732E-06 -6.414E-05 9.625E-01 4.637E-01 1.732E-02 3.210E 00 3.648E-02 2.088E-03 8.202E 00 -7.732E-06 -6.414E-05 9.625F-01 4.637E-01 1.732E-02 3.210E 00 3.013E-02 1.810E-03 8.100E	7.900E-01	5.645E-01	1.577E-02	2.725E 00	9.307E-02	3.138E-03	7.150E 00	6.725E-05	2-067E-04
8.300E-01 4.62E-01 1.431E-02 2.825E 00 6.522E-02 2.780E-03 7.350E 00 4.838E-05 1.709E-04 8.500E-01 4.03E-01 1.376E-02 2.975E 00 5.882E-02 2.445E-03 7.550E 00 1.244E-05 1.213E-04 8.900E-01 3.767E-01 1.370E-02 2.975E 00 4.825E-02 2.145E-03 7.550E 00 4.244E-05 1.219E-04 9.125E-01 4.062E-01 1.314E-02 3.030E 00 4.204E-02 2.256E-03 7.900E 00 4.665E-05 1.022E-04 9.625E-01 4.530E-01 1.534E-02 3.150E 00 3.640E-02 2.012E-03 8.140F 00 -7.732Z-06 -6.414E-05 9.625E-01 4.651E-01 1.732E-02 3.210E 00 3.040E-02 2.012E-03 8.140F 00 -7.615E-06 -6.477E-05 1.012E 0 4.744E-01 1.732E-02 3.210E 00 2.048E-03 8.300E 00 5.684E-05 5.594E-05 1.037E 0 4.734E-01 1.692E-02 3.230E 00 2.648E-03 8.300E 00 5.684E-05 5.594E-05 1.037E 0 4.938E-02 1.810E-03	8.100E-01	5.380E-01	1.505E-02	2.775E 00	7.599E-02	2.848E-03	7.250E 00	8.187E-05	1.929E-04
8.5002-01 4.0432-01 1.4052-02 2.952 00 5.9822-02 2.9525-03 7.4502 00 2.9452 01 1.4322-04 8.0002-01 3.7672-01 1.3302-02 2.9752 00 5.9822-02 2.1415-03 7.5502 00 2.9252-05 1.1662-04 9.1252-01 4.0622-01 1.3212-02 3.0302 00 4.2042-02 2.2562-03 7.7802 00 4.0622-05 7.9102-05 9.3752-01 4.3801-01 1.3142-02 3.0302 00 3.8102-02 2.1612-03 7.7802 00 1.5822-05 7.9102-05 9.6252-01 4.5312-01 1.5342-02 3.1502 00 3.64267-02 2.03287-03 8.1407 00 7.7322-06 -6.4142-05 1.0122 00 4.7412-01 1.73224-02 3.2102 01 2.5822-03 8.1407 00 7.3422-05 5.942-05 1.0325 00 4.7412-01 1.6922-02 3.3902 00 2.2438-02 1.6322-03 8.2602 00 5.3482-05 5.942-05 1.06372 00 4.5597-01 1.6922-02<	8.300E-01	4.692E-01	1. 431E-02	2-825E 00	6.5222-02	2.780E-03	7.3501 00	4.838E~05	1.709E-04
E:700E=01 3.722E=01 1.376E=02 2.952 00 5.388E=02 2.1445E=03 7.550E 00 1.244E=03	8.500E-01	4.043E-01	1.405F-02	2.875E 00	5.8828-02	2.595E-03	7.4501 00	2.3458-05	1.432E+04
8: 900E-01 3: 167E-01 1: 3/0E-02 2: 3/3E-02 2: 3/3E-03 7: 6600 02 2/3/2E-05 1: 160E-04 9: 125E-01 4: 0621-01 1: 3/1E-02 3: 0302 00 4: 204E-02 2: 256E-03 7: 7802 00 4: 065E-05 1: 022E-04 9: 025E-01 4: 530E-01 1: 3/1E-02 3: 040E 00 3: 64EE-02 2: 048E-03 8: 020E 00 1: 562E-05 7: 910E-05 9: 625E-01 4: 631E-01 1: 732E-02 3: 210E 00 3: 400E-02 2: 048E-03 8: 020E 00 -7: 732E-06 -6: 417E-05 1: 047E 00 4: 741E-01 1: 732E-02 3: 210E 00 3: 040E-02 2: 048E-03 8: 260E 00 2: 734E-05 5: 594E-05 1: 053E 00 4: 559E-01 1: 698E-02 3: 330E 00 2: 243B-02 1: 784E-03 8: 500E 00 6: 379E-05 4: 425E-05 1: 067E 00 4: 083E-01 1: 898E-02 3: 510E 00 2: 088E-02 1: 572E-03 8: 740E 00 2: 202E-05 3: 650E-05 3: 650E-05 <t< td=""><td>8.700E-01</td><td>3.722E-01</td><td>1. 376E-02</td><td>2.9252.00</td><td>5.3885-02</td><td>2.4458-03</td><td>7.5502 00</td><td>1. 244E-05</td><td>1.2198+04</td></t<>	8.700E-01	3.722E-01	1. 376E-02	2.9252.00	5.3885-02	2.4458-03	7.5502 00	1. 244E-05	1.2198+04
9. 125E-01 4. 0821-07 1. 344E-02 3.030E 00 4. 054E-02 2.25E-03 1.160E 00 4.032E-05 1.0022E-04 9. 375E-01 4. 308E-01 1. 314E-02 3.030E 00 3.84EE-02 2.088E-03 3.020E 00 -7.732E-05 -6.414E-05 5. 675E-01 4. 531E-01 1.732E-02 3.210E 00 3.003E-02 1.652E-03 8.260E 00 2.734E-05 -6.414E-05 5. 675E-01 4.531E-01 1.732E-02 3.230E 00 2.583E-02 1.810E-03 8.260E 00 2.734E-05 5.294E-05 1.063E 00 4.574E-02 3.330E 00 2.243E-02 1.810E-03 8.260E 00 2.734E-05 5.594E-05 1.637E 00 4.774E-01 1.692E-02 3.330E 00 2.243E-02 1.810E-03 8.260E 00 2.734E-05 5.594E-05 1.637E 00 4.083E-01 1.899E-02 3.550E 00 2.088E-02 1.632E-03 8.620E 00 4.787E-05 3.734E-05 1.112E 02 2.998E-01 1.260E-02 3.570E 00 1.835E-02 1.6157E-03 8.620E 00 4.866E 00 2.222E-05 3.650E 05 3.650E-05 3.650E-05 3.650E-05	8.90CE-01	3.7672-01	1.3708-02	2.975E 00	4.8258-02	2.3141-03	7.0000 00	2.9238-05	1.002*04
9.352-01 4.3682-03 1.342-02 3.1302 00 3.6402-02 2.1682-03 1.3302 00 1.3302 00 1.342-02 3.1502 00 3.6402-02 2.0882-03 8.2020 00 1.4302-03 1.3020 00 7.7322-06 -6.4142-05 5.6752-01 4.6312-01 1.7322-02 3.2100 00 3.04020-02 2.0122-03 8.1400 00 -7.7322-06 -6.4772-05 1.0122 00 4.7412-01 1.6922-02 3.3300 00 2.24387-02 1.6122-03 8.3602 00 5.6842-05 5.5948-05 1.0632 00 4.7342-01 1.6922-02 3.3302 00 2.24387-02 1.7442-03 8.5002 00 6.3378-05 3.7342-05 1.0632 00 4.0832-01 1.8998-02 3.9502 00 2.0882-02 1.6932-03 8.6201 00 4.7878-05 3.7342-05 1.0632 00 4.0832-01 1.8392-02 3.5100 00 2.0082-02 1.6932-03 8.6201 00 4.7878-05 3.7342-05 1.1371 00 2.9982-01 1.8612-02 3.5100 00 1.8632-02 1.6122-03 8.6020 00 4.8628-05 3.6982-05 3.6982-05 3.6982-05 3.6982-05 3.6982-05 3.6982-05 <t< td=""><td>9.125E-01</td><td>4.0621-01</td><td>1.3218-02</td><td>3.0302.00</td><td>4.2045-02 3 8107-03</td><td>2.2002-03</td><td>7 9005 00</td><td>1 5828-05</td><td>7 9108-05</td></t<>	9.125E-01	4.0621-01	1.3218-02	3.0302.00	4.2045-02 3 8107-03	2.2002-03	7 9005 00	1 5828-05	7 9108-05
9.6325-01 4.3301-01 C.342-02 3.2101 00 3.4002-02 2.1032-03 5.1407-00 -7.6152-06 -6.4772-05 1.0122 00 4.7412-01 1.7228-02 3.2101 00 3.4002-02 1.6522-03 8.1407-00 -7.6152-06 -6.4772-05 1.0371 00 4.7412-01 1.7228-02 3.2302 00 2.5832-02 1.6522-03 8.2602 00 -7.6152-06 -6.4772-05 1.06312 00 4.5591-01 1.6922-02 3.3302 00 2.24338-02 1.7842-03 8.5002 00 6.3792-05 4.4252-05 1.06312 01 4.08312-01 1.6932-02 3.51012 00 2.0882-02 1.6932-03 8.50012 00 4.7872-05 3.7342-05 1.1121 C 3.5512-01 1.2608-02 3.51012 00 1.6212-02 1.6932-03 8.62012 00 4.8662-05 3.6962-05 3.65982-05 3.65082-05 3.65082-05 3.65082-05 3.65082-05 3.65082-05 3.65082-05 3.8612-05 3.8012-05 3.4012-05 1.8362-05 3.8012-05 3.40502 1.8	9.3/5E-01	4.3081-01	1 5342-02	3 1508 00	3.6105-02	2.0888-03	8.020F 00	-7. 7328-06	-6.4148-05
1.012E 00 4.031E 01 1.122E 02 3.270E 00 3.012E 02 1.852E 03 6.260E 00 2.734E 05 6.266F 05 1.037E 00 4.774E 01 1.652E 02 3.330E 00 2.583E 02 1.852E 03 8.260E 00 5.884E 05 5.594E 05 1.0637E 00 4.774E 01 1.692E 02 3.330E 00 2.243F 02 1.810E 03 8.380E 00 5.884E 05 5.594E 05 1.067E 00 4.083E 01 1.899E 02 3.950E 00 2.043F 02 1.693E 03 8.620E 00 4.787E 05 3.734E 05 1.172E 00 3.521E 01 1.899E 02 3.510E 00 2.088E 02 1.693E 03 8.620E 00 4.787E 05 3.696E 05 3.696E 05 1.137E 00 2.994E 01 1.280E 02 3.510E 00 1.835E 02 1.615E 03 8.600E 00 2.222E 05 3.650E 05 3.696E 05 1.137E 00 2.994E 01 1.265E 02 3.630E 00 1.462E 02 1.692E 03 9.400E 00 1.836E 05 3.801E 05 1.137E 00 2.328F 01 1.565E 02 3.630E 00 1.4621E 02 1.692E 03 9.400E 00 1.836E 05 3.692E 05 3.693E 05 3.693	9.6258-01	4.3302-01	1 7328-02	3 210F 00	3.4008-02	2.0128-03	8-140F 00	-7.615F-06	-6.477E-05
1.012 00 4.1412 01 1.6422-02 3.330 00 2.5832-02 1.8102-03 8.3802 00 5.8842-05 5.5942-05 1.0632 00 4.5592-01 1.9082-02 3.3902 00 2.2432-02 1.7842-03 8.5002 00 6.3792-05 4.4252-05 1.0632 00 4.5592-01 1.8982-02 3.902 00 2.20822-02 1.6932-03 8.6202 00 4.3782-05 3.7342-05 1.1122 00 3.5212-01 1.8912-02 3.5102 00 2.0082-02 1.5722-03 8.7402 00 2.8062-05 3.6962-05 1.1122 00 2.9982-01 1.2002-02 3.5702 00 1.6322-02 1.5922-03 8.7402 00 2.8062-05 3.6502-05 1.1622 00 2.9982-01 1.2652-02 3.6502 00 1.6212-02 1.5922-03 9.1002 00 2.2652-05 2.8672-05 1.4622 02 2.1492-03 9.1002 00 2.2652-05 3.8672-05 3.8012-05 3.3012-05 1.2372 00 2.3222-01 1.6522-02 3.2702 00 1.4622-02 2.1492-03 9.1002 00 2.2652-05 2.8672-05 1.2372 00 2.1602-01 1.6522-02 3.8702 00 1.2522-02	1 0128 00	4.0312-01	1.7228-02	3, 2708 00	3.0138-02	1.852F-03	8.260E 00	2.7348-05	6.268E-05
1.0672 00 4.5597-01 1.9087-02 3.3907 00 2.2438-02 1.7842-03 8.5007 00 6.3792-05 4.4252-05 1.0672 00 4.0837-01 1.8397-02 3.4507 00 2.2438-02 1.6932-03 8.5007 00 4.7872-05 3.7342-05 1.1122 C 3.5518-01 1.8397-02 3.5107 00 2.0082-02 1.67728-03 8.7405 00 2.20872-03 8.7405 0.28067-05 3.6508-05 3.6508-05 3.6508-05 3.6508-05 3.6508-05 3.6508-05 3.6508-05 3.6508-05 3.6508-05 3.6508-05 3.6508-05 3.6508-05 3.6508-05 3.6508-05 3.6508-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05 3.8018-05	1 0378 00	4 7745-01	1.6928-02	3. 330E 00	2.5838-02	1.810F-03	8.3808 00	5.884E-05	5-594E-05
1.097E 00 1.097E 00 1.097E 00 2.088E-02 1.693E-03 8.620E 00 4.787E-05 3.734E-05 1.107E 0C 3.521E-01 1.481E-02 3.510E 00 2.088E-02 1.615E-03 8.740E 00 2.806E-05 3.696E-05 1.137E 0C 3.591E-01 1.260E-02 3.570E 01 1.835E-02 1.615E-03 8.602E 00 2.222E-05 3.696E-05 1.137E 0C 2.998E-01 1.265E-02 3.630E 00 1.621E-02 1.992E-03 8.980E 00 1.835E-05 3.801E-05 1.188E 0C 2.463E-01 1.256E-02 3.690E 00 1.462TE-02 1.492E-03 9.400E 0 2.265E-05 2.993E-05 1.212E 0C 2.328E-01 1.663E-02 3.807E 00 1.227E-02 1.442E-03 9.400E 0 1.665E-05 2.993E-05 1.262E 0C 2.160E-01 1.607E-02 3.807E 00 1.059E-02 1.440E-03 9.470E 00 1.676E-05 4.187E-05 1.262E 0C	1 06 38 00	4.559F-01	1.908F-02	3.3908.00	2.2438-02	1.784E-03	8.500E 00	6.379E-05	4.425E-05
1.112E CC 3.521E-01 1.081E-02 3.510E 00 2.000E-02 1.572E-03 8.740E 00 2.806E-05 3.696E-05 1.137E 00 2.99EE-01 1.260E-02 3.570E 00 1.835E-02 1.61E-03 6.660E 00 2.222E-05 3.650E-05 1.62E 00 2.463E-01 1.265E-02 3.630E 01 1.621E-02 1.592E-03 E.980E 00 1.836E-05 3.801E-05 1.48E 00 2.463E-01 1.566E-02 3.630E 01 1.621E-02 2.149E-03 9.100E 00 2.265E-05 2.867E-05 1.237F 00 2.322F-01 1.66E-02 3.610E 00 1.227E-02 1.402E-03 9.200E 00 1.665E-05 2.93BE-05 1.237F 00 2.160E-01 1.607E-02 3.810F 00 1.227E-02 1.402E-03 9.400E 00 1.676E-05 4.187E-05 1.262F 00 2.160E-01 1.607E-02 3.870F 00 1.059E-02 1.409E-03 9.470E 00 1.676E-05 4.187E-05 1.315E 00 2.180E-01 1.530E-02 3.990E 00 7.880E-03 1.298E-03 9.750E 00 1.897E-05 3.234E-05 1.315E 00 2.180E-01 1.265E-02	1.0878 00	4.0837-01	1.839E-02	3. 45 (E 00	2.088E-02	1.693E-03	8.620E 00	4.7872-05	3.7342-05
1.137E 00 2.992E-01 1.200E-02 3.570E 00 1.835E-02 1.615F-03 8.660E 00 2.222E-05 3.650E-05 1.162E 00 2.660E-01 1.265E-02 3.630E 00 1.621E-02 1.992E-03 E.980E 00 1.836E-05 3.650E-05 3.650E-05 1.162E 00 2.262E-01 1.265E-02 3.650E 00 1.4622E-02 2.1492E-03 9.100D 00 2.265E-05 2.867E-05 1.237E 00 2.323E-01 1.763E-02 3.750E 00 1.353E-02 1.750E-03 9.200E 00 1.665E-05 2.993E-05 1.237E 00 2.323E-01 1.763E-02 3.750E 00 1.227E-02 1.442E-03 9.400E 00 1.665E-05 2.993E-05 1.237E 00 2.160E-01 1.601E-02 3.670E 00 1.207E-03 9.470E 00 1.676E-05 4.187E-05 1.262E 00 2.160E-01 1.501E-02 3.930E 00 9.004E-03 1.35EP-03 9.470E 00 1.676E-05 4.187E-05 3.6022-05	1.1128 00	3.5218-01	1. 481E-02	3.510E 00	2.000E-02	1.572E-03	8.740E 00	2.806E-05	3-696E-05
1, 1622 00 2, 2607-01 1, 265E-02 3, 630E 00 1, 6212-02 1, 992E-03 6, 980E 00 1, 836E-05 3, 801E-05 1, 188E 00 2, 463E-01 1, 566F-02 3, 690E 00 1, 462E-02 2, 149E-03 9, 100F 00 2, 265E-05 2, 867E-05 1, 212E 00 2, 328F-01 1, 763E-02 3, 750E 00 1, 353E-02 1, 750E-03 9, 220E 00 1, 662E-05 2, 867E-05 1, 237E 00 2, 232F-01 1, 662E-02 3, 801E 00 1, 227E-02 1, 442E-03 9, 340E 00 9, 662E-06 3, 3383E-05 1, 262E 00 2, 160E-01 1, 652E-02 3, 930E 00 9, 004E-03 1, 35EE-03 9, 407E 00 1, 676E-05 3, 602E-05 1, 315E 00 2, 180E-01 1, 530E-02 3, 930E 00 9, 004E-03 1, 35EE-03 9, 610P 00 1, 676E-05 3, 632E-05 1, 315E 00 2, 180E-01 1, 530E-02 3, 930E 00 7, 880E-03 1, 298E-03 9, 510P 00 1, 764E-05 3, 234E-05 1, 315E 00 2, 233E-01 1, 203E-02 4, 110E 00 5.68CE-03 1, 175E-03 1, 003E 01 1, 922E-05 2, 913E-05	1.1377 00	2.9988-01	1.2808-02	3.570E 00	1.835E-02	1. 615E-03	8.860E 00	2.222E-05	3.650E-05
1 1 1.566E-01 1.566E-02 3.690E 00 1.462E-02 2.149E-03 9.100E 00 2.265E-05 2.867E-05 1.212E 00 2.328E-01 1.763E-02 3.750E 00 1.353E-02 1.750E-03 9.20E 00 1.665E-05 2.993E-05 1.237F 0C 2.122E-01 1.660E-02 3.810F 00 1.227E-02 1.442E-03 9.340F 00 9.662E-06 3.33BE-05 1.262E 00 2.140E-01 1.607E-02 3.870F 00 1.055E-02 1.409E-03 9.470E 00 1.676E-05 4.187E-05 1.315E 00 2.140E-01 1.530E-02 3.990E 00 7.980E-03 1.292E-03 9.750F 00 1.764E-05 3.234E-05 1.315E 00 2.180E-01 1.230E-02 3.990E 00 7.980E-03 1.294E-03 9.470E 00 1.897E-05 3.234E-05 1.315E 00 2.180E-01 1.230E-02 4.050E 00 6.918E-03 1.254E-03 9.50F 00 1.897E-05 3.234E-05 1.315E 00 2.739E-01 1.233E-02 4.110E 00 5.68CE-03 1.175E-03 1.003E 01 1.922E-05 3.234E-05 1.435E 0C 2.551E-C1 1.331E	1. 16 2E 00	2.6801-01	1.265E-02	3.630E 00	1.6212-02	1.992E-03	8.980E 00	1.836E-05	3.801E-05
1,2128 00 2,3287-01 1,763E-02 3,750E 00 1,353E-02 1,750E-03 9,220E 00 1,665E-05 2,993E-05 1,237E 00 2,132E-01 1.662E-02 3,870F 00 1,227E-02 1,442E-03 9,340E 00 9,667E-06 3,338E-05 1,267E 00 2,160E-01 1.601E-02 3,870F 00 1,059E-02 1,442E-03 9,470E 00 1,676E-05 4,187E-05 1,315E 00 2,140F-01 1.525E-02 3,930E 00 9,004E-03 1,35E-03 9,610P 00 1,676E-05 3,602E-05 1,315E 00 2,140F-01 1.525E-02 3,930E 00 9,004E-03 1,294E-03 9,510P 00 1.897E-05 3,602E-05 1,315E 00 2,232E-01 1.427F-02 4,050E 00 6,918E-03 1,251E-03 9,890E 00 2,892E-05 2,938E-05 1,031E 01 1,922E-05 2,926E-05 1,315E 00 2,235E-01 1.233E-02 4,170E 00 4,424E-03 1,151E-03 1,017E 01 1,927E-05 3,229E-05 1,405P 000 2,653E-01 1.233E-02 4,170E 00 4,424E-03 1,151E-03 1,017E 01 1,927E-05 3,229E-05 3,229E-	1.188E 00	2.463E-01	1.566E-02	3.690E 00	1.462E-02	2.149E-03	9.100E 00	2.265E-05	2.867E-05
1.23 7F 0C 2:232F-01 1.682F-02 3.210F 00 1.227E-02 1.442E-03 9.340F 00 9.662E-06 3.363E-05 1.262F 00 2.160E-01 1.601E-02 3.870F 00 1.059E-02 1.409E-03 9.470F 00 1.676E-05 4.187E-05 1.267F 00 2.140F-01 1.520F-02 3.930E 00 9.004E-03 1.35EE-03 9.610P 00 1.764E-05 3.602E-05 1.315E 00 2.180E-01 1.520F-02 3.930E 00 9.004E-03 1.298E-03 9.750E 00 1.897E-05 3.234E-05 1.305E 00 2.180E-01 1.520F-02 4.050E 00 6.618E-03 1.298E-03 9.890E 00 2.101F-05 3.234E-05 1.375F 0C 2.339E-01 1.285E-02 4.110E 00 5.680E-03 1.175E-03 1.003F 01 1.922E-05 2.913E-05 1.405F 0C 2.651E-C1 1.233E-02 4.110E 00 5.680E-03 1.175E-03 1.003F 01 1.922E-05 2.913E-05 1.405F 0C 2.651E-C1 1.233E-02 4.240E 00 3.833E-03 1.017E 01 1.922E-05 3.229E-05 1.405E 0C 2.651E-C1 1.326E-02 4.240E 00 <td>1.212E 00</td> <td>2.3282-01</td> <td>1.763E-02</td> <td>3.750E 00</td> <td>1.353E-02</td> <td>1.750E-03</td> <td>9.220E 00</td> <td>1.665E-05</td> <td>2.993E-05</td>	1.212E 00	2.3282-01	1.763E-02	3.750E 00	1.353E-02	1.750E-03	9.220E 00	1.665E-05	2.993E-05
1.262E 00 2.160E-01 1.607E-02 3.870F 00 1.057E-02 1.407E-03 9.470E 00 1.676E-05 4.187E-05 1.267E 00 2.140F-01 1.525E-02 3.930E 00 9.004E-03 1.35E+03 9.610E 00 1.764E+05 3.602E-05 1.315E 00 2.180F-01 1.530F-02 3.990E 00 7.980E-03 1.294E-03 9.150F 00 1.897E-05 3.234E-05 1.315E 00 2.272F-01 1.427F-02 4.050E 00 6.91EE-03 1.251E-03 9.890E 00 2.101F-05 2.232E-05 1.315E 00 2.239E-01 1.233E-02 4.110E 00 5.68CE-03 1.175E-03 1.003E 01 1.922E-05 2.931E-05 1.405E 0C 2.535E-01 1.233E-02 4.170E 00 3.839E-03 1.101F-03 1.017E 01 1.927E-05 3.239E-05 1.405E 0C 2.651F-01 1.321E-02 4.240E 00 3.839E-03 1.103E-03 1.017E 01 1.927E-05 3.229E-05 1.405E 00 2.661F-01 1.321E-02 4.320E 00 4.816E-03 1.114E-03 1.045E 01 2.529E-05 4.245E+05 1.405E 00 2.882F+01 1.262E-02	1.2371 00	21232E-01	1.682E-02	3.810F 00	1.227E-02	1.442E-03	9.340E 00	9.6622-06	3.383E-05
1.287E 00 2.140F-01 1.525E-02 3.930E 00 9.004E-03 1.35EF-03 9.610E 00 1.764E-05 3.602E-05 1.315E 00 2.140F-01 1.520F-02 3.990E 00 7.880E-03 1.294E-03 9.750E 00 1.897E-05 3.234E-05 1.35E 00 2.272E-01 1.427F-02 4.050E 00 6.914E-03 1.251E-03 9.890E 00 2.101F-05 2.234E-05 1.375F 0C 2.399E-01 1.262E-02 4.101E 00 5.680E-03 1.175E-03 1.003E 01 1.922E-05 2.913E-05 1.405F 0C 2.525E-C1 1.233E-02 4.170F 00 4.424E-03 1.151E-03 1.017E 01 1.927E-05 3.229E-05 1.405F 0C 2.651F-C1 1.321E-02 4.240E 00 3.839E-03 1.101E-03 1.031E 01 1.415E-05 4.285E-05 1.465E 02 2.651F-C1 1.321E-02 4.240E 00 4.816E-03 1.14E-03 1.045E 01 2.529E-05 4.448E-05 1.465E 00 2.682E-01 1.262E-02 4.400E 00 6.053E-03 1.094E-03 1.059E 01 2.883E-05 4.668E-05 1.575F 01 2.862F1-01 1.262E-02	1.262E 00	2.160E-01	1.6012-02	3.870F 00	1.059E-02	1.409E-03	9.470E 00	1.676E-05	4.187E-05
1.315E 00 2.180E-01 1.530E-02 3.990E 00 7.880E-03 1.298E-03 9.750E 00 1.897E-05 3.234E-05 1.305E 00 2.272E-01 1.427E-02 4.050E 00 6.918E-03 1.251E-03 9.890E 00 2.101E-05 2.292E-05 2.913E-05 1.375F 0C 2.339E-01 1.265E-02 4.110E 00 5.680E-03 1.275E-03 1.003E 01 1.922E-05 2.913E-05 1.405F 0C 2.651E-01 1.233E-02 4.170F 00 4.424E-03 1.151E-03 1.017E 01 1.922E-05 3.229E-05 1.435E 0C 2.651E-01 1.326E-02 4.240E 00 3.839E-03 1.031E 01 1.927E-05 3.229E-05 1.455E 0C 2.768E-01 1.326E-02 4.320E 00 4.816E-03 1.114E-03 1.045E 01 2.529E-05 4.448E-05 1.495E 00 2.882E-01 1.262E-02 4.400E 00 6.053E-03 1.094E-03 1.045E 01 2.529E-05 4.468E-05 1.955E 00 2.882E-01 1.262E-02 4.400E 00 6.053E-03 1.094E-03 1.059E 01 2.883E-05 4.668E-05 1.955E 0C 2.882E-01 1.262E-02 <td>1.287E 00</td> <td>2.140F-01</td> <td>1.525E-02</td> <td>3.930E 00</td> <td>9.004E-03</td> <td>1.356P-03</td> <td>9.610E 00</td> <td>1.764E-05</td> <td>3.6022-05</td>	1.287E 00	2.140F-01	1.525E-02	3.930E 00	9.004E-03	1.356P-03	9.610E 00	1.764E-05	3.6022-05
1.365E 00 2.272E-01 1.4275-02 4.050E 00 6.518E-03 1.251E-05 9.590E 00 2.101E-05 2.926E-05 1.375E 00 2.399E-01 1.262E-02 4.110E 00 5.680E-03 1.175E-03 1.003E 01 1.922E-05 2.913E-05 1.405E 0C 2.55E-01 1.233E-02 4.170E 00 3.839E-03 1.151E-03 1.017E 01 1.927E-05 3.239E-05 1.405E 0C 2.651E-01 1.321E-02 4.240E 00 3.839E-03 1.103E-03 1.017E 01 1.927E-05 4.265E-05 1.465E 00 2.668E-01 1.321E-02 4.200E 00 3.839E-03 1.103E-03 1.041E 01 2.529E-05 4.265E-05 1.465E 00 2.682E-01 1.3262E-02 4.400E 00 6.053E-03 1.044E-03 1.045E 01 2.529E-05 4.468E-05 1.955E 00 2.882E-01 1.262E-02 4.400E 00 6.053E-03 1.094E-03 1.059E 01 2.883E-05 4.668E-05 1.555E 01 2.525E-02 4.480E 00 5.955E-C3 1.062E-03 1.059E 01 2.883E-05 4.668E-05	1.315E 00	2.1801-01	1.530F-02	3.990E 00	1.8802-03	1.2988-03	9.750E 00	1.89/8-05	3.2348-05
1.375F 0C 2.399E-03 1.285E-02 4.110E 00 5.88CE-03 1.175E-03 1.003E 01 1.922E-05 2.913E-03 1.405F 0C 2.635E-01 1.233E-02 4.170E 00 4.424E-03 1.151E-03 1.017E 01 1.927E-05 3.229E-05 1.435E 0C 2.651E-01 1.321E-02 4.240E 00 3.839F-03 1.103E-03 1.031E 01 1.435E-05 4.285E-05 1.465E 00 2.768E-01 1.326E-02 4.320E 00 4.816E-03 1.114E-03 1.045E 01 2.529E-05 4.448E-05 1.495E 00 2.882E-01 1.326E-02 4.400E 00 6.053E-03 1.094E-03 1.059E 01 2.883E-05 4.468E-05 1.495E 00 2.892F0 1.342E-02 4.460E 05 5.95CE-03 1.062E-03 1.059E 01 2.883E-05 4.668E-05	1.30 SE 00	2.2721-01	1.4278-02	4.050B 00	6.918E-03	1.25 1E-03	9.890E 00	2.1011-05	2.9262-05
1.403E 00 2.53E-01 1.33E 02 4.10E 00 4.242E-03 1.51E-03 1.01E 01 1.97E-03 5.229E-05 1.435E 00 2.551E-01 1.32E-02 4.240E 00 3.839E-03 1.03E 01 1.45E-05 4.245E-05 1.465E 00 2.768E-01 1.32E-02 4.320E 00 4.816E-03 1.114E-03 1.045E 01 2.529E-05 4.448E-05 1.495E 00 2.882E-01 1.262E-02 4.400E 00 6.053E-03 1.094E-03 1.059E 01 2.883E-05 4.468E-05 1.495E 00 2.882E-01 1.262E-02 4.400E 00 6.053E-03 1.094E-03 1.059E 01 2.883E-05 4.468E-05	1.375F OC	2.3991-01	1.2855-02	4.1702.00	5.0805-03	1.1/35-03	1 0178 01	1 9278-05	2.3135-03
T. 4352 OC Z.5317-03 T. 4528 OC T. 4528 T. 4488-05 T. 4488-05 T. 4488-05 T. 4528 T. 4488-05 T. 45282 T. 45282 T. 4488-05 T. 452822 T. 4488-05 T. 4528222 T. 4488-05 T. 4528222 T. 4488-05 T. 4528222 T. 4488-05 T. 4528222 T. 4488-05 T. 45282222 T. 45282222 T. 45282222 <tht. 44822222<="" th=""> T. 4488202 <tht. 4482<="" td=""><td>1.405E GC</td><td>2.1358-01</td><td>1.2335-02</td><td>4. 170£ 00 4. 2008 00</td><td>4-4242-03</td><td>1 1035-03</td><td>1.0318.01</td><td>1 8158-05</td><td>3.2295-03 4 2858-05</td></tht.></tht.>	1.405E GC	2.1358-01	1.2335-02	4. 170£ 00 4. 2008 00	4-4242-03	1 1035-03	1.0318.01	1 8158-05	3.2295-03 4 2858-05
1.495E 00 2.882E-01 1.262E-02 4.400E 00 6.053E-03 1.094E-03 1.059E 01 2.883E-05 4.668E-05 1.555 01 2.882E-01 1.252E-02 4.400E 00 6.053E-03 1.094E-03 1.059E 01 2.883E-05 4.668E-05 1.555 01 2.951E-01 1.314E-02 4.480E 00 5.950E-03 1.062E-03	1.435E OC	2.0511-01	1.3215-02	4.240E 00 # 220# 00	J-0391-03	1 1148-03	1 0455 01	2.5298-05	4 4488-05
1. 55 P (1 2. 65 P-01 1. 314P-02 4. 486 P (0 5. 95 CF-C3 1. 06 2P-03	1.4658 UU	2.1581-01	1 2628-02	4.3202 00	4.010E-03	1.0948-03	1.059 F 01	2.8837-05	4.6688-05
	1.5258 00	2.9518-01	1. 314E-02	4. 480E 00	5.95 CE- C3	1.0622-03			

PHOTON ENERGY INTERVAL	X-SECTION	ERROR
(BEV)	(E/SR)	(B/SR)
3.000E-01 - 4.000E-01	3.560E-02	3.940E-03
4.000E-01 - 5.000E-01	2.928E-02	3.680E-03
5.000E-01 - 6.000E-01	4.685E-02	2.511E-03
6.000E-01 - 7.000E-01	4.881E-02	2.153E-03
7.000E-01 - 8.000E-01	5.875E-02	1.720E-03
8.000E-01 - 1.000E 00	8.731E-02	2.891 E-03
1.000E 00 - 1.200E 00	7.454E-02	3.183E-03
1.200F 00 - 1.400E 00	4.522E-02	3.035E-03
1.400E 00 ~ 1.600E 00	5.662E-02	2.616E-03
1.600E 00 - 1.800E 00	5.340E-02	2.199E-03
1.800E 00 - 2.000E 00	5.010E-02	1.7858-03
2.00CE 00 - 2.500E 00	8.493E-02	3.109E-03
2.500E 00 - 3.000E 00	4.544E-02	1.6982-03
3.000E 00 - 3.500E 00	1.541E-02	9.715E-04
3.500E 00 - 4.000E 00	6.7871-03	E. 173E-04
4.000F 00 ~ 4.500E 00	2.714E-03	5.691E-04
4.500E 00 ~ 5.000E 00	1.813E-03	4.293E-04
5.000E 00 - 6.000E 00	5.936E-04	6.966E-04
6.000E 00 - 7.000E 00	-1.417E-05	£.3018-05
7.00CE 00 - 8.000E 00	3.670E-05	1.3732-04
8.00CE 00 - 9.000E 00	2.959E-05	2.2438-05
9.000E 00 - 1.000E 01	1.780E-05	3.320E-05

DIFFERENTIAL CROSS SECTIONS FOR GAMMA RAY PRODUCTION IN TH. THE PIEST SET OF NUMBERS IS THE DOUBLY DIFFERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GAMMA RAY PRODUCTION CROSS SECTION POR THE FESIGNATED GAMMA RAY ENERGY INTERVALS. THIS SECOND SET RESULTS FROM INTEGRATION OF THE DOUBLY DIFFERENTIAL CATA. THE UNCERTIANTIES ARE GIVEN IN THE SAME UNITS AS THE DATA AND DO NOT INCLUDE AN ESTI-MATED 10 PERCENT ERROR IN AESOLUTE NORMALIZATION.

INCIDENT NEUTRON ENERGY = 5,99 TO 7.00 MEV. ANGLE = 125 DEGREES.

PHOTON ENERGY (MFV)	X-SECTION (B/SR/NEV)	ERROR (B/SR/MEV)	PHOTON ENERGY (MEV)	X-SECTION (E/SR/MEV)	ERROR (B/SR/MEV)	PHCTON ENERGY (MEV)	K-SECTION (B/SR/MEV)	ERROR (B/SR/MEV)
2 0758-01	3 4428-01	5 0698-02	1 5558 00	3 0568-01	1 5728-02	1 560 F 00	6 490 -07	1 350#-03
3 2258-01	3.7358-01	4.4418-02	1.5857 00	3.0178-01	1.4576-02	4 6407 00	5 6918-03	1.3508-03
3.3768-01	4_0407-01	4.197E-02	1.6158 00	3-0045-01	1. 34 18-02	4.7208 00	5.5338-03	1.1282-03
3.525E-01	4.067E-01	4.050E-02	1.6458 00	2.9882-01	1.244E-02	4.8007 00	4.777E~03	1.0948-03
3.675E-01	3.758E-01	4.056F-02	1.680E 00	2.9358-01	1.1788-02	4.880 F 00	3.416E-03	1.155E-03
3. 62 SE-01	3.436E-01	4.121E-02	1.720E 00	2.858E- C1	1.152E-02	4.960E 00	2.594E-03	1.2028-03
3.975E-01	3.1632-01	3.946E-02	1.760E 00	2.812E-01	1.1041-02	5.040E 00	2.799E-03	1.177E-03
4.125E-01	3.C42E-01	3.8998-02	1.800E 00	2.835E-01	1.0811-02	5,120E 00	3.183E-03	1.109E-03
4.275E-01	3.C59E-01	3.991E-02	1.840E 00	2.8478-01	1.032E-02	5.200E 00	2.872E-03	1.020E-03
4.425E-01	3.027E-01	4. 123E-02	1.880E 00	2.729E-01	1.009E-02	5.280F 00	2.242E-03	9.360E-04
4.575E-C1	3.044 E-01	4.149E-02	1.920E 00	2.539E-01	9.860E-03	5.360E 00	1.989E-03	9.021E-04
4.725E-01	3.2882-01	4.120E-02	1-960E 00	2.392E-01	9.642E-03	5.440E 00	2.043E-03	8.6892-04
4.875E-01	3. /31E-01	4.025E-02	2.000E 00	2.312E-01	9.310E-03	5.520F 00	1.932E-03	8-322E-04
5.025E-01	4.2861-01	3.8691-02	2.0402.00	2.273E-01	8.9228-03	5.600F 00	1.613E-03	8.1338-04
5.1/58-01	4.7891-01	3.5718-02	2.0808.00	2.2266-01	8.5578-03	5.6801 00	1. 2318-03	8.10/E-04
5.3252-01	5.0151-01	3.0748-02	2.1201 00	2.1446-01	8.000E-03	5.760 E 00	9.0788-04	7.8758-04
5.4/52-01	4.5762-01	2.0005-02	2.1002.00	1 6492-01	7.6038-03	5 9502 00	9.3452-04	7.0012-04
5.0232-01	4.0072-01	2.2425-02	2.2005 00	1 8888-01	7 5138-03	5 0505 00	9 7278-00	5 0128-04
5 9258-01	4.950F-01	2.2751-02	2.2802.00	1 8057-01	7 24 28-03	6 150 # 00	8 7 27 8-04	5 604 8-04
6.100F-01	4.989E-01	2.6018-02	2. 320F 00	1.6898-01	6.6498-03	6.250F 00	9.1218-04	5.7048-04
6-2008-01	4 \$21E-01	2.5898-02	2.360F 00	1.5627-01	6-145F-03	6.350F 00	9.1798-04	5-648E-04
6.500E-01	4.8415-01	2.4048-02	2.400F 00	1.4402-01	5.5992-03	6.450E CC	7.160E-04	5.460E-04
6.700E-01	4.933E-01	2.204E-02	2.440E 00	1.334E-01	5.212E-03	6.550E 00	2.487E-04	4.294E-04
6.900E-01	5.247E-01	2.018E-02	2.480E 00	1.260E-01	5.142E-03	6.650F 00	-1.5438-04	-3.792E-04
7.100E-C1	5.640E-01	1.9922-02	2.525E 00	1.232E-01	5.236E-03	6.750E 00	-3.071E-04	-3.654E-04
7.300E-01	5.9038-01	1.974E-02	2.575E 00	1,250 g-01	5.306E-03	6.850E 00	- 1. 7 17E-04	-3.742E-04
7.500E-01	5.9398-01	1.9528-02	2.625E 00	1.243E-01	4.9972-03	6.950E 00	2.490E-05	3.377E-04
7.700E-01	5.8671-01	1.888 E-02	2.675E 00	1.142E-01	4.498E-03	7-0501 00	1.729E-04	2.757E-04
7.900E-01	5.717E-01	1.746E-02	2.725E 00	9.8648-02	3.846E-03	7.150E 00	1.683E-04	2.315E-04
8.10CE-01	5-353E-01	1.6/1E-02	2.775E 00	8.5368-02	3.5328-03	7.250E 00	1. 325E-04	2.145E-04
8.300E-01	4.7868-01	1.5072-02	2.8258.00	/ 540 E-U2	3.3821-03	7. 3502 00	1.1256-04	1.9738-04
8.3002-01	3 3005-01	1 8662-02	2.0791 00	6 3512-02	3.1712-03	7.4502.00	9.1975-05 6.0612-05	1.7305-04
9 9008-01	3 6191-01	1 4622-02	2 9768 00	5 9388-02	2 9048-03	7 6601 00	2 1175-05	1 3448-04
9.125F-C1	3-6378-01	1.440 R-02	3-030F 00	5-501R-02	2-851E-03	7.7801 00	-2-811P-05	-1.144E-04
9.3757-01	3.740E-01	1.4988-02	3.090E 00	5.0302-02	2.6915-03	7.900E 00	-6.083E-05	-1.0442-04
9.625E-01	3.8781-01	1.6872-02	3.150E 00	4.769E-02	2.563E-03	8.020E 00	-7.998E-05	+8.352E-05
9.875E-01	4.066E-01	1.874E-02	3.210E 00	4.564E-02	2.539E-03	8.140E 00	-8.3555-05	-8.166E-05
1.012E 00	4.286E-01	1.896E-02	3.270E 00	4.294E-02	2.3878-03	8.250E 00	-4. 366E-05	-7.229E-05
1. C3 7E CC	4.443E-01	1.983E-02	3.330E 00	3.8692-02	2.279E-03	8.380E 00	1.883E-05	6.459E-05
1.063E 00	4.396E-C1	2.041E-02	3.390E 00	3.329E-02	2.283E-03	8.500E 00	8,468E-05	5.471E-05
1.087E 00	4.032E-01	1.919E-02	3.45 CE 00	2.888E-02	2.1722-03	8.620E 00	1.221E-04	6.147E-05
1.112E 00	3.545E-01	1.617E-02	3.510E 00	2.666E-02	2.077E-03	8.740F 00	1.1372-04	5.457E-05
1.137E 00	3.127E-01	1.473E-02	3.57CE 00	2.530E-02	2.017E-03	8.850E 00	7.644E-05	4.116E-05
1.162E CO	2.885E-01	1.462E-02	3.630E 00	2.3208-02	2.324E-03	8.980E 00	3.856E-05	3.412E-05
1.186E CO	2.7C4E-01	1.745E-02	3.690E 00	2.056 -02	2.4218-03	9.1008 00	7.8115-06	3.2445-05
1.212E 00	2.0991-01	1.9188-02	3. /SUE 00	1.8252-02	2.03/5-03	9.2208 00	-1.40/8-05	-3.0735-05
1.2378 00	2.331-01	1 7018-01	3.8105.00	1.6902-02	1 7678-03	9.3400 00	-2.0/95-05	-2.9326-05
1 2022 00	2.4/12-01	1 7258-02	3 9305 00	1 4908-02	1 9088-03	9.4701 00	-2.5072-05	-3 #398-05
1 7168 00	2 4458-01	1.7538-02	3 9907 00	1.400 - 02	1.7728-03	9.7508 00	-2.1518-05	-3.704E-05
1.345E 00	2.583F-01	1.612E-02	4.050E 00	1.358E-02	1.595E-03	9.890E 00	-6.485E-06	-3.2928-05
1.3758 00	2.6641-01	1.436F-02	4.110E 00	1.3018-02	1.5128-03	1.0031 01	2.350E-05	3.3158-05
1,405E 00	2.754E-01	1. 402E-02	4. 17CE 00	1.1768-02	1.413E-03	1.017E 01	5.230E-05	3.638E-05
1.435E CC	2.881E-01	1.500E-02	4. 240E 00	9.6998-03	1.3818-03	1.031E 01	7.469E-05	4.6728-05
1.465E DC	3.C28E-01	1.493E-02	4.320E 00	8.361E-D3	1.4551-03	1.045E 01	8.683E~05	5.1998~05
1.495E 00	3.1181-01	1.401E-02	4.400E 00	8.5392-03	1.4992-03	1.059E 01	8.337E-05	5.499E-05
1.525E 00	3.1121-01	1.454E-02	4.480E 00	8.0208-03	1.4628-03			

INTEGRATED DATA

PHOTON ENERG (ME	Y INTERVAL V)	X-SECTION (B/SR)	ERROR (B/SR)
3.000E-01 -	4.000 E-01	3.691E-02	4.294E-03
4.000E-01 -	5.000E-01	3.243E-02	4.038E-03
5.000E-01 -	6.000E-01	4.862E-02	2.823E-03
6.000E-01 -	7.000E-01	4.989E-02	2.364 E-03
7.000E-01 -	8.000E-01	5,807E-02	1.911E-03
8.000E-01 -	1.0002 00	8, 184E-02	3.171E-D3
1.000E 00 -	1.200E 00	7.353E-02	3.504E-03
1.200E 00 -	1.400E 00	5.108E-02	3.399E-03
1.400E 00 -	1.600E 00	6.0171-02	2.932E-03
1.60CE 00 -	1.800E 00	5.806E-02	2.368E-03
1,800E 00 -	2.000E 00	5.236E-02	1.998E-03
2.000E 00 -	2.5002 00	9.1041-02	3.564 E-03
2,500E 00 -	3.000E 00	4.679E-02	1.996E-03
3.000F 00 -	3.500E 00	2.109E-02	1.2288-03
3.500E 00 -	4.000E 00	9.732E-03	1.004E-03
4.000E 00 -	4.500E 00	5.198E-03	7.409E-04
4.500E 00 -	5.000E 00	2.434E-03	6.046E-04
5.00CE 00 -	6.000E 00	1.868E-03	8.9172-04
6.0002 00 -	7.000E 00	4.027E-04	2.418E-04
7.000E 00 -	8.000E 00	6.157E-05	1.096E-04
8.000E 00 -	9.000E 00	3.140E-05	1.075E-05
9.000E 00 -	1.000E 01	-1.376E-05	2.050E-05

DIFPERENTIAL CROSS SECTIONS FOR GARMA BAY PRODUCTION IN TH. THE FIRST SET CF KUMBERS IS THE DOUBLY DIFPERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GARMA BAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GARMA RAY ENERGY INTERVALS. THIS SECCHD SET RESULTS FROM INTEGRATION OF THE DOUBLY DIFPEPENTIAL CATA. THE UNCERTAINIES ARE GIVEN IN THE SAME UNITS AS THE CATA AND DO NOT INCLUDE AN ESTI-BATED 10 PERCENT ERROR IN AESOLUTE NORMALIZATION.

INCIDENT NEUTRON BNEFGY = 7.00 TO 8.01 MEV. ANGLE = 125 DEGREES.

PHCTCN BNERGY (MEY)	X-SECTION (E/SR/MEV)	ERROR (E/SR/MEV)	PHOTON ENERGY (MEV)	X-SECTION (B/SR/NEV)	ERROR (B/SR/NEV)	PHOTON ENERGY (NEV)	X~SECIION (B/SB/MEV)	ERROR (B/SR/MEV)
3.075E-01	3. 6491-01	4.7928-02	1.555 E 00	2.224E-01	1.328E-02	4.560E 00	7-7148-03	1.7378-0.3
3.225E-01	3.9405-01	4.313E-02	1.585E 00	2.220E-01	1.299E-02	4.640F 00	5.944E-03	1.6388-03
3-3758-01	3.9011-01	4.031E-02	1.615E 00	2.231E-01	1.215E-02	4-720F 00	5. 226 8-03	1.5198-03
3.52 FF- C1	3-8968-01	3.888F-02	1.645F 00	2.2478-01	1.1208-02	4.800F 00	4.460E-03	1.5378-03
3.6758-01	3.7668-01	3.8728-02	1.680F 00	2.231E~01	1.0355-02	4.880E 00	4. 1098-03	1.6428-03
3,9257-01	3. 5807-01	3.8572-02	1.720 8 00	2. 138E-01	1-0215-02	4.960F 00	4.504R-03	1.6938-03
3.975E+01	3. 3128-01	3.904E-02	1.760E 00	2.056E-01	1.0028-02	5.040F 00	4.7292-03	1.665E-03
4-125E-01	3.0145-01	4-020E-02	1.800E 00	2.044E-01	9-5408-03	5. 120F 00	4. 100 F-03	1-5948-03
4.275F-C1	2.8912-01	4.0578-02	1.840E 00	2.016E-01	9.349E-03	5.200E 00	3. 168E-03	1.452E-03
4.425B-01	2.9688-01	4.119E-02	1.8807 00	1.953E-01	9.5427-03	5.280E 00	2.689E-03	1.4188-03
4.575E-01	3.C99E-01	4.044E-02	1.920E 00	1.902E-01	9.037E-03	5.360E 00	3.0532-03	1.420E-03
4.725E-01	3.3441-01	4.147E-02	1.960E 00	1.839E-01	8.497E-03	5.440E 00	3.776E-03	1.420E-03
4.875E-01	3.700E-01	4.009E-02	2.0C0E 00	1.731E-01	8.245E-03	5.520E 00	3.903E-03	1.395 E-03
5.025E-01	4.033E-01	3.816E-02	2.040E 00	1.623E-01	8.255E-03	5.600E 00	2.798E-03	1.379E-03
5.175E-01	4.276E-C1	3.453E-02	2.080E 00	1.563E-01	8.10CE-03	5.680E 00	8.726E-04	1.306E-03
5.325E-01	4.381E-01	2.926E-02	2.120E 00	1.528E-01	7.741E-03	5.760E 00	-7.657E-04	-1.232E-03
5.475E-01	4.321E-01	2-522E-02	2.160g 00	1.472E-01	7.5158-03	5.850I DO	-9.689R-04	-1.207E-03
5.625E-01	4.189E-01	2.229E-02	2,200E 00	1.388E-01	7.400E-03	5.950E 00	1.040E-03	1.180E-03
5.775E-C1	4.114 <u>2-01</u>	2.2292-02	2.240F 00	1.316E-01	7.368E-03	6.050E 00	3-6852-03	1.098E-03
5.925E-01	4.118E-01	2.409E-02	2.280E 00	1.2912-01	6.97CE-03	6.150E 00	4.849E-03	9.9462-04
6.100E-01	4.150E-C1	2.5188-02	2.320E 00	1.295E-01	6.37CE-03	6.250E 00	4.045E-03	9.133E-04
6.300E-01	4.168E-01	2.565E-02	2.360E 00	1.2528-01	5.6118-03	6.350E 00	2.329E-03	8.292E-04
6.500E-01	4.160E-01	2.416E-02	2.400E 00	1.132E-01	5.289E-03	6.450E 00	8.195E-04	7.397E-04
6.700r-01	4.185E-01	2.158E~02	2.440E 00	1.011E-01	5-21CE-03	6.550E 00	-8.375E-06	-6.573E-04
6.900E-01	4.350B-C1	1.945E-02	2.480F 00	9.4722-02	5.11EE-03	6.650E 00	- 2. 4 18E-04	-5.964E-04
7.100E-01	4.673E-01	1.904E-02	2.525E 00	9.121E-02	5.0902-03	6.750E 00	-4.300E-05	-5.568Z-04
7.300E-01	4.858E-01	1.965E-02	2.575E 00	8.536E-02	5.257E-03	6.850E 00	3.0902-04	5.124E-04
7.500E-01	4.763E-01	1.937E-02	2.625E 00	7.874E-02	5.2148-03	6.950E 00	5. 3172-04	4.132E-04
7.70CE-C1	4.547E-01	1.837E-02	2.675E 00	7.393E-02	4.553E-03	7.050E 00	5.929E-04	3.540E-04
7.900E-01	4.297E-C1	1.704E-02	2.725E 00	6.822E-02	3.7651-03	7.150E 00	5.855E-04	3.291E-04
8.1002-01	4.004E-01	1.633E-02	2.775E 00	6.012E-02	3.594E-03	7.250E 00	6.628E-04	3.054E-04
8.300E-01	3.722E-01	1.5182-02	2.825E 00	5.269E-02	3.4982-03	7.350E 00	6.940E-04	2.576 E-04
8.500E-01	3.4292-01	1.447E-02	2.875E 00	4.726E-02	3.235R-03	7.450E 00	5.797E-04	1.929E-04
8.70CE-C1	3.095E-01	1.4128-02	2.925E 00	4.3968-02	3.1792-03	7.550E Q0	3.3962-04	1.712E-04
8 900E-01	2.E40E-C1	1.41/8-02	2.975E 00	4.2991-02	3.054E-03	7.660E 00	6.477E-05	1.5302-04
9.125E-01	2.774E-01	1.406E-02	3.030E 00	4.267E-02	2.9358-03	7.780E 00	-9.846E-05	-1.3872-04
9.375E-01	2.85/1-01	1.4241-02	3.0902.00	4.0346-02	2.8258-03	7.9001 00	-1.0185-04	-1.075E-04
9.6258-01	3.002E-01	1.5282-02	3, 150E 00	3.6388-02	2.790E-03	8.020E 00	-2.048E-05	-9.5918-05
9.875E-C1	3.1942-01	1.659E-02	3. 210E 00	3.3708-02	2.8495+03	8.140E 00	1.4/98-05	9.4478-05
1.0128 00	3.3648-01	1.010E-02	3.2708 00	3.3502-02	2.6262-03	8.260E 00	1.4438-04	8.2238-05
1.03/2 00	3.4431-01	1.7468-02	3.3302.00	3.3795-02	2.4385-03	8.380E UU	1.4435-04	8.8668-05
1.063E 00	3.3401-01	1.7401-02	3.3500 00	3, 1936-02	2.39/2-03	8.500F 00	7 4145 66	7.9005-05
1.0875.00	3.0032-01	1. /012-02	3 5105 00	2.7745-02	2.3992~03	8.820£ 00	7.4142-03	3,9395-03
1.1122 00	2.7032-01	1 2368-02	3.5101 00	1 99 28-02	2.3020-03	5.740F 00	3. 3032-09	7.4345-05
1.1372.00	2.2005-01	1.3305-02	3.5702.00	1.7725-02	2.3/11-03		4.1356-05	1.1038-05
1. 10 2E UU	2.3371-01	1.5452-02	3 6 9 0 2 0 0	1.0725-02	2.0012-03	0.90UE UU	4.1495-05 5.6008-06	6.9205-05
1.1000 00	2.2020-01	1 7758-02	3 75(8 00	1 4705-02	2.9325-03	9,1001 00	5.0925-05	6.9276-05
1 23 78 00	2.076 -01	1 6338-02	3. 8105 00	1 4058-02	2.3005-03	9.2202 00	5 8518-05	7 2200-05
1 76 78 00	2.0705-01	1.5118-02	3.8702 00	1 3038-02	2.1248-03	9 170F 00	5 0938-05	5 7267-05
1.287F 00	2.0601-01	1.430E-02	3,9308 00	1. 16 2E-02	2. 1808-03	9-610E 00	4.7588-05	5.3398-05
1.315P 00	2.0467-01	1. 474F-02	3,9908 00	1.076E-02	2.2008-03	9.7501 00	4.2448-05	4-809 E-05
1.3458 00	2-0488-01	1.367F-07	4.0508 00	1.0618-02	2.0078-03	9.890F 00	2. 1138-05	3.1708-05
1.375E CC	2.0841-01	1. 26 1E-0 2	4.110E 00	1.0328-02	1.9032-03	1.003E 01	1.2398-05	3.473E-05
1-405E 00	2.1418-01	1.2718-02	4.170E 00	9.573E-03	1.8085-03	1.017E 01	-7.0168-06	-5.0368-05
1.435E 00	2.2002-01	1.2978-02	4.240E 00	8.7728-03	1.7878-03	1.0316.01	-1.6228-05	-6.1731-05
1.465E 00	2.2621-01	1.274E-02	4.320E 00	9.4062-03	1.9538-03	1.0451 01	-1.359E-05	-6.537E-05
1.495E 00	2.281E-01	1.2151-02	4,400E 00	1.0805-02	1.9528-03	1.059E D1	6. 337E-06	5.4428-05
1.525E 0C	2.254E-01	1.264E-02	4.4801 00	1.0205-02	1.8468-03			

.

PHOTON ENERG (MI	Y INTERVAL IV)	X-SECTION (B/SB)	ERROR (B/SR)
3.000E-01 -	4.000E-01	3.773E-02	4.107E-03
4.000E-01 -	5.000E-01	3.2112-02	4.0502-03
5.000E-01 -	6.000E-01	4.216E-02	2.7438-03
6.000E-01 -	7.000E-01	4.206E-02	2.321E-03
7.000E-01 -	8.000g-01	4.624E-02	1.8725-03
8.000E-D1 -	1.000 R 00	6. 379E-02	2.9878-03
1.000E 00 -	1.200E 00	5.7561-02	3.0728-03
1.200F 00 -	1.400E 00	4. 1472-02	2.928E-03
1.400E 00 -	1.600E 00	4-462E-02	2.558E-03
1.600E 00 -	1.800F 00	\$.372F-02	2.118E-03
1.8007 00 -	2.000 - 00	3.8478-02	1.8142-03
2.000F 00 -	2.5008 00	6.669E-02	3. 9032-03
2.5001 00 -	3.000R 00	3.2238-02	2.0238-03
3.0008 00 -	3.5008.00	1.7301-02	1.3238-03
3.500E 00 -	4.000 2 00	7.6108-03	1.2118-03
8.000F 00 -	4.500E 00	4.9858-03	9.5338-04
4.500F 00 ~	5.000E 00	2.7458-03	8-176E-04
5.0008 00 -	6.000 8 00	2-2751-03	9.2112-04
6.000 00 ~	7.000 8 00	1.6197-03	7.7398-04
7.000F 00 -	8.0008.00	3. 266E-04	1.4568-04
8.0008.00 -	9.0008.00	7 8038-05	7.1147-05
9 0007 00 -	1 0000 01	A 704E-05	F 7728-05
3.000A 00 4		4. /042-03	

DIFFERENTIAL CRCSS SECTIONS FOR GAMMA RAY PRODUCTICN IN TH. THE FIRST SIT OF NUMBERS IS THE DOUBLY DIFFRENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE CAMMA RAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GAMMA RAY ENERGY INTERVALS. THIS SECOND SET RESULTS FROM INTEGRATION OF THE DOUBLY DIFFERENTIAL CATA. THE UNCERTAINTIES ARE GIVEN IN THE SAME UNITS AS THE DATA AND DO NOT INCLUDE AN ESTI-MATED 10 PERCENT ERFOR IN AESOLUTE NORMALIZATION.

INCIDENT NEUTRON ENERGY = 8.01 TO 9.00 MEV. ANGLE = 125 DEGREES.

PROTON ENERGY	X-SECTION	ERROR	PHOTON ENERGY	X-SECTION	ERFOR (BASEANER)	PHCTON ENERGY	X-SECTION	ERROR
(814)	(B) SKYNE ((1) (1) (1)	((2) 5 17 0 2 1)	(1) 587 827 1	(124)	(5/38/454)	(D) 31/111
3.0758-01	4.1918-01	4.779E-02	1.555E 00	1.322E-01	1.056E-02	4.560E 00	3.099E-03	2.439E-03
3.225E-C1	3.584E-01	4.198E-02	1.5852 00	1.332E-01	1.054E-02	4.640E 00	2.066 E-03	2.286E-03
3.375E-01	3.6251-01	4,032E-02	1.6158 00	1.347E-01	1.0352-02	4.720E 00	2.066E-03	2.179E-03
3.525E-01	3.2571-01	3.979E-02	1.645E 00	1.351E-01	9.775E-03	4.800F 00	2.316E-03	2.160E-03
3.6752-01	3.091E-01	3.864E-02	1.680E 00	1.312E-01	9.038E-03	4.880E 00	3.8532-03	2.255E-03
3.8251-01	3,120E-01	3.864E-02	1.7201 00	1.210E-01	9.0258-03	4.960F 00	6.047E-03	2.310E-03
3.975E-01	3,2458-11	3.947E+02	1.760E 00	1.1442-01	8.8481-03	5.040E 00	5.554E-03	2.468E-03
4.1258-01	3.275E-CT	4.0828-02	1.8008.00	1.1558-01	8.1072-03	5.1208 00	5.2568-03	2.429E-03
4.2758-01	3.14(1-01	4.1932-02	1 8902 00	1 0038-01	7.0916-03	5 2805 00	3.2965-03	2.300 2-03
4.4252-01	3 39402-01	4.3072-02	1 4205 00	1.0332-01	7 5498-03	5 3605 00	1 3328-03	2.1772-03
4.3752-61	3 3042-01	4.240E-02	1 9608 00	9 5967-07	7 3758-03	5.440 - 00	1 4932-03	2 3088-03
4.725E-01	4.050%-01	3 738F-02	2.0008.00	9.3248-02	7.0538-03	5.520E 00	2.0098-03	2.420 -03
5.0258-01	4.4087-01	3.411E-02	2.040E 00	9.044E-02	7.016E-03	5.600E 00	2.320E-03	2.332E-03
5.175E-01	4.616F-01	3.104E-02	2.080E 00	8.889E-02	7.072E-03	5.680E 00	1.878E-03	2.118E-03
5.325E-C1	4.5492-01	2.776E-02	2.120E 00	8,952E-02	6.789E-03	5.760E 00	8.587E-04	2.061E-03
5.475E-01	4.267E-01	2.436E-02	2.160E 00	8.932E-02	6.438I-03	5.850E 00	-7.162E-05	-2.038E-03
5.6252-01	3.9471-01	2.2288-02	2.200E 00	8.6362-02	6.418E-03	5.950E 00	7.5078-04	1.996E-03
5.775E-01	3.7542-01	2.289E-02	2.240F 00	8.123E-02	6.606E-03	6.050F 00	3.050E-03	1.930E-03
5.925E-01	3.712E-01	2.455E-02	2.280F 00	7.490E-02	6.703E-03	6.150E 00	4.366E-03	1.748E-03
E.100E-C1	3.696E-01	2.4538-02	2.320F 00	6.859E-02	6-214E-03	6.250F 00	3.766E-03	1.536E-03
6.300E-01	3. E36E-01	2.4962-02	2.360E 00	6.2792-02	5.314E-03	6.350E 00	2.521E-03	1-423E-03
6.500E-01	3.5901-01	2.3568-02	2.400E 00	5.6612-02	4.916E-03	6.450E 00	2.008E-03	1.3528-03
6.700E-01	3.6361-01	2.1261-02	2.440E 00	5.0642-02	4.7758-03	6.550E 00	2.214E-03	1.243E-03
6.900E-01	3. 7961-01	1.9122-02	2.4808 00	4.5358-02	4.900E-03	6 3501 00	2. 228 E-03	1.084 2-03
7.100E-C1	3.9285-01	1.9065-02	2.3232.00	4.1035-02	5-3436-03	6 PEAR 00	1.0/16-03	9.3005-04
7. 300E-01	3.2038-01	1.9365-02	2.3738.00	4.220E-02	5.0241-03	6.6502 00	1 0498-03	7 9002-04
7.5008-01	3. 1012-01	1.9438-02	2.6252.00	4.5002-02	0.439F-03	7.0501 00	1.9832-03	6.802P-04
7.9008-01	3 610 5-01	1 7178-02	2.7258 00	4 3958-02	3.7518-03	7.150 # 00	1. 576 F-03	5-8798-04
\$ 100F-01	3.2728-01	1-5968-02	2.775E 00	4-002E-02	3.4248-03	7.250F 00	1.0638-03	4.853E-04
P 1002-01	3. (458-01	1.4998-02	2.8257 00	3-6445+02	3.3135-03	7.3502 00	7.1558-04	3-618E-04
8.5002-01	2.7775-01	1.473E-02	2.875E 00	3,366E-02	3.233E-03	7.4502 00	5.289E-04	2.804E-04
8.700E-01	2.586 E-01	1. 386 E-02	2.925E 00	3.074E-02	3.1148-03	7.550F 00	3.683E-04	2.337E-04
8.9002-01	2.4832-01	1.347E-02	2.975E 00	2.737E-02	3.094E-03	7.660E 00	2.275E-04	1.923E-04
9.125E-C1	2.4122-01	1.373E-02	3.030E 00	2.396E-02	3.102E-03	7.780F 00	8.745E-05	1.665E-04
9.375E-C1	2.371E-01	1.398E-02	3.090E 00	2-0728-02	3.073E-03	7.900E 00	-3.009E-05	-1.518E-04
9.625E-01	2.411E-01	1.451g-02	3.150E 00	1.8112-02	3.015E-03	8.020E 00	-9.801E-05	-1.261E-04
9.875E-01	2.5721-01	1.518E-02	3.210E 00	1.741E-02	3.000E-03	8.140E 00	-1.043E-04	-1.124E-04
1.012E 00	2.747E-01	1.424E-02	3.27CE 00	1.799E-02	2.8491-03	8.2601 00	-8.966E-06	-1.1702-04
1.C37E CC	2.//02-01	1.38/E-02	3.330E 00	1.7738-02	2./958-03	8.380£ UU	1.337E-04	1.1538-04
1.06 JE 00	2.0038-01	1.4696+02	3.3901 00	1.3001-02	2.0151-03	6.500E 00	2. 2075-04	9.0732+04
1.08/F 00	2.4701-01	1 2628-02	3.4502.00	1 10 18-02	2.7202-03	8 7405 00	1 ///82-04	8 740E-05
1.1128 00	2.2702-01	1 175 - 02	3.5102.00	1 0525-02	2.0100-03	8 8607 00	49858-05	8 8202-05
1 1675 00	1 9198-01	1 1678-07	3.6305.00	1.0858-02	2.923E-03	8.980E 00	-1. 169E-06	-8-718E-05
1 1885 00	1.8208~01	1.2668-02	3.6908.00	1-061E-02	3-1045-03	9.100E 00	-2.569E-05	-6.680E-05
1.2128 00	1.7541-01	1.391E-02	3.750E 00	9.618E-03	2.7731-03	9.220E 00	-2.840E-05	-6.282E-05
1.237E 00	1.6871-01	1.358E-02	3.810E 00	8.5632-03	2.567E-03	9.340E 00	-2.640E-05	-6.640E-05
1.262E 00	1.599E-01	1.330E-02	3.870E 00	7.6788-03	2.646E-03	9.470E 00	-1.846E-05	-6.398E-05
1.2872 CC	1.5322-01	1. 2748-02	3.930E 00	7.380E-03	2.642E-03	9.610E 00	-4.842E-06	-5.317E-05
1.315g 00	1.499E-01	1.2528-02	3.990E 00	7.9522-03	2.524E-03	9.750E 00	1.553E-05	4.760E-05
1.3452 0C	1.504E-01	1.1852-02	4.050E 00	B.626E-03	2.381E-03	9.890E 00	3.527E-05	5-208E-05
1.375E 00	1.497E-01	1.147E-02	4.110E 00	8.226E-03	2.347E-03	1.003E 01	5.306E-05	5-688E-05
1.405E 00	1.475E-01	1.131E-02	4.170E 00	7.0962-03	2.3478-03	1.017E 01	7.7412-05	5 8921-05
1.435E CC	1.4722-01	1. 1082-02	4.240E 00	6.814E-03	2.282E-03	1.0318 01	1.053E-04	6.445E+05
1.465E 0C	1.478E-01	1.0488-02	4.320E 00	0.748E-03	2.3931-03	1.0455 01	1. 12/2-04	7.809E-05
1.4958 00	1 2505-01	3.330E+VJ 1 037E-07	4.400E 00	5 5938-03	2.4716-03	1.0355 01	1.0012-04	0.3736=03
1"2522" AA	1. 3395-01	1. UJZE-UZ	4.4QVE UV	0.0005-03	C. 4435-03			

INTEGRATED DATA

PHOTON BNEFGY INTERVAL	X-SECTION (B(SR)	ERROR
((2) 0 1	1-79
3.000E-01 - 4.000E-01	3.512E-02	4.107E-03
4.000E-01 - 5.000E-01	3.483E-02	4,0788-03
5.000E-01 - 6.000E-01	4.171E-02	2.630E-03
6.000E-01 - 7.000E-01	3,670E-02	2.272E-03
7.000E-01 - 8.000E-01	3.686F-02	1.865E-03
8.000E-01 - 1.000E 00	5.277E-02	2.893E-03
1.000E 00 - 1.200E 00	4.675E-02	2.656 E-03
1.200E 00 - 1.400E 00	3, 1421-02	2.524 E-03
1.400E 00 - 1.600E 00	2.813E-02	2.115E-03
1.60CE 00 - 1.800E 00	2,506E-02	1.847E-03
1.800F 00 - 2.000E 00	2.104E-02	1.516E-03
2.000E 00 - 2.500E 00	3.723E-02	3.071E-03
2.500E 00 - 3.000E 00	1.941E-02	2.030E-03
3.000E 00 - 3.500E 00	8,936E-03	1.455E-03
3.500F 00 - 4.000E 00	4.664E-03	1.361E-03
4.000E 00 - 4.500E 00	4.026E-03	1.195 E-03
4.500E 00 - 5.000E 00	1.667E-03	1.140E-03
5.00CE 00 - 6.000E 00	2.2318-03	1,782E-03
6.000E 00 - 7.000E 00	2.564E-03	1.289E-03
7.000E 00 - 8.000E 00	6.529I-04	2.8492-04
8.000E 00 - 9.000E 00	7. 175E-05	1.6572-05
9.000E 00 - 1.000E 01	-4. 107E-06	2.6478-05

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DIFFERENTIAL CROSS SECTIONS FOR GANNA BAY PRODUCTION IN TH. THE FIRST SET OF NUMBRES IS THE DOUBLY DIFFERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GANAN TAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GANNA RAY ENERGY INTERVALS. IRIS SECOND SET RESULTS FROM INTEGRATION OF THE DOUBLY DIFFERENTIAL DATA. THE UNCERTAINTIES ARE GIVEN IN THE SAME UNITS AS THE DATA AND DO NOT INCLUDE AN ESTI-MATED 10 FERCENT ERROR IN ABSOLUTE NORMALIZATION.

INCIDENT NEUTRON ENERGY = 9.00 TO 10.00 MEV. ANGLE = 125 DEGREES.

PRCTCN ENERGY (NEV)	X-SECTION (E/SB/REV)	BRROR (E/SR/MEY)	PHOTCN ENERGY (NEV)	X-SECTION (B/SR/MEV)	ERROR (B/SR/MEV)	PHOTON ENERGY (MEV)	X-SECTION (B/SR/MEV)	E RROR (B/SR/MEV)
1 0758-01	3.9567-01	5 #718-02	1.5558.00	1 3338-01	1 0938-02	# 560¥ 00	5 9178-03	2 6402-02
1 2258-01	3:8561-01	4.684F-07	1.585 F 00	1.2898-01	1.0518-02	4.500E 00	4 541P+03	2.0495-03
3 3758-01	3.4788-01	4.2955-02	1.6158 00	1.2578-01	1_0208-02	4 720F 00	2 3108-03	2 3 8 2 8 - 0 3
3.525F-01	3.1128-01	4.2958+02	1.6458.00	1.2178-01	1.0098-02	4.800F 00	5.7188-04	2.3025-03
7.6758-01	3.0778-01	4.134E-02	1.680 00	1.1587-01	9.7215-03	4.880F 00	9.8978-04	2.4728-01
3.8258-01	3.185F-01	4.126E-02	1.720E 00	1-1108-01	9.0248-03	4.960E 00	3.2408-03	2.6108-03
3.975E-01	3.2518-01	4.1915-02	1.760E 00	1.096E-01	8.762E-03	5.040F 00	5.2578-03	2.6948-03
4.1252-01	3.2352-01	4.2901-02	1. 8COE 00	1.063E-01	8.179E-03	5.120F 00	4.983E-03	2.569E-03
4.2752-01	3.1512-01	4.5918-02	1.840E 00	9.859E-C2	8.043E-03	5.200E 00	3.296E-03	2.426E-03
4.4258-01	3.245E-C1	4.517E-02	1.990E 00	9.195E-02	7.78CE-03	5.280E 00	2.210E-03	2.402E-03
4.575B-01	3.736I-01	4_445E-02	1.920E 00	8.80 1E-02	7.444E-03	5.360E 00	1.948E-03	2.3328-03
4.725E-01	4.280E-01	4.1021-02	1.960E 00	8.531E-02	7.403E-03	5.44DE 00	1.564E-03	2.3968-03
4.875E-01	4.449E-01	3.9592-02	2.000E 00	8.381E-02	7.210E-03	5.520E 00	5.3472-04	2.516E-03
5.025E-01	4.321E-01	3.866B-02	2.0401 00	8.288E-02	7.008E-03	5.600E 00	-4, 496 E-04	-2.4918-03
5.175E-01	4.145E-01	3.516E-02	2.080F 00	7.9928-02	7.098E-03	5.680E 00	-7.417E-04	-2.391E-03
5.325E-01	3.9771-01	3.019E-02	2.120E 00	7.502E-02	6.823E-03	5.760E 00	-5.136E-04	-2.3002-03
5.475E-01	3.786E-01	2.0028-02	2.160E 00	6.926E-02	6.502E-03	5.850F 00	3.0402-04	2.1898-03
5.625E-01	3.5671-01	2.4752-02	2.200E 00	6.236E-02	6.473E-03	5.950E 00	2.517E-03	2.1428-03
5.7752-01	3.3288-07	2.4918-02	2.240E 00	5.459E-02	6.362E-03	6.050E 00	5.280E-03	2.156E-03
5.9258-01	3.1538-01	2.0028-02	2.2802 00	4.115E-02	6.0961-03	6.150E 00	5.942E-03	2.1492-03
6.100E-01	3.15/2-01	2.7032-02	2.3208.00	4.13/E-02	5.695E-03 5.675E-03	6.2508 00	3.9042-03	1.9365-03
6.300E-01	3.3002-01	2.0732-02	2.3002.00	3 4568-02	5 2278-03	6.3501 00	-2 6745-04	1.7568-03
6.500E-01	3.0112-01	2.47/2-02	2.4000 00	3.4302+02	0.0578-03	6 550 × 00	-2.0745-04	-1.6292-03
6. /UUE~UI	3.7505-01	2. 5701-02	2.4401 00	2 6442-02	5 3668-03	6 650E 00	-0.2215-04	-1.53500-03
3 100P-01	3 8838-01	1 9808-02	2.525P 00	2.595 -02	5.781F-03	6.7507 00	9 3458-04	1 3998-03
7.3008-01	3 6258-01	2.006F-02	2.575F 00	2.946 - 02	5.9938-03	6.850F 00	2 3862-03	1 1778-03
7.500E-01	3.4145-01	2.0348-02	2.625E 00	3.0828-02	5.7418-03	6.950F 00	3. 6188-03	1.0972-03
7.70CE-01	3.4112-01	1.880E-02	2.675E 00	2.908E-02	5.089E-03	7.050F 00	3.914E-03	9.931E-04
7.900E-01	3.4678-01	1.7362-02	2.725E 00	2.708 E-02	4.173E-03	7.150E 00	3.303E-03	8.820E-04
8.100E-01	3.309E-01	1.679E+02	2.775E 00	2.505E-02	3.606E-03	7.250E 00	2.168E-03	7.574E-04
8.300E-01	2.956E-01	1.613E-02	2.825E 00	2.233E-02	3.422E-03	7.350E 00	1.100E+03	6.004E-04
8.500E-01	2.654E-01	1.606E-02	2.075E 00	1.991E-02	3.409E-03	7.450E 00	3.876E-04	4.521E-04
8.70CE-01	2.535E-01	1.593E-02	2.925E 00	1.818g-02	3.262E-03	7.550E 00	1. 366 E-04	4.036E-04
8.9002-01	2.471E-01	1.517E-02	2.975E 00	1.580 <i>E</i> -02	3.299E-03	7.6608 00	1. 26 3E-0 4	3.874E-04
9.125E-01	2.378E-01	1.4298-02	3.030E 00	1.227E-02	3.372E-03	7.780E 00	2.305E-04	3.183E-04
9.375E-01	2.369E-01	1.443E-02	3.090E 00	1.026E-02	3,376E-03	7.900F 00	1.7828-04	2.7682-04
9.625E-01	2.434E-01	1.5532-02	3.150E 00	1.152E-02	3.251E-03	8.020E 00	-4_449E-06	-2.357E-04
9.8752-01	2.468E~01	1.602E-02	3.210E 00	1.354E-02	3.145E-03	8.140 00	-1.450E-04	-2.140E-04
1.012E 00	2.4612~01	1.5158-02	3.2708 00	1.3918-02	2.9981-03	8.2608 00	-1./338-04	-1.922E-04
1.0378 00	2.4432~01	1.4006-02	3.3308.00	1.2/5E-02	3. 12/2-03	8.380E UU	-8.8055-05	-1.651E-04
1.0035 00	2.4202-01	1 5098-02	3 45(2 00	8 6538-03	3.0512-03	8.5002 00	1 9218-03	1.2035-04
1.00/6.00	2.3932-01	1 3348-02	3 5101 00	6.9302-03	3 0278-03	8 7405 00	1 786 8-04	1.2045-04
1 1778 00	2.3702-01	1 2738-02	3.5708 00	6-3158-03	3.0055-03	8 8602 00	1 1358-00	8 2108-04
1 16 28 00	1 9855-01	1.257E-02	3.630E 00	6.229 -03	3.3308-03	8.9808.00	5 158E-05	5 3948-05
1 1888 00	1.7781~01	1.4192-02	3.6902.00	5.6508-03	3.5752-03	9,1001 00	2.5838-05	9.1728-05
1.212E 00	1.6301-01	1.5782-02	3.75CE 00	4.886E-03	3.1998-03	9.2208 00	2.060 2-05	3.740E-05
1.2378 00	1.5672-01	1.458E-02	3.810E 00	4. 84 0E- 03	3.0032-03	9.3402 00	1.7892-05	3.124E-05
1.2628 00	1.536B-C1	1.322E-02	3.870E 00	5.2742-03	3.037E-03	9.470E 00	1.624E-05	2.458E-05
1. 28 7E 00	1.5C7E-01	1.2518-02	3.930E 00	5.760E-03	2.940E-03	9.610E 00	1.863E-05	2.232E-05
1.315E 00	1.471E-01	1.250 E-02	3.990E 00	6.5838-03	2.8278-03	9.750£ 00	2.229E-05	2.588E-05
1.345g 00	1.419E-01	1.177E-02	4.050B 00	7.293E-03	2.7082-03	9.990E 00	2. 344 E-05	3.110E-05
1.375E CC	1.351E-01	1.131E-02	4-110E 00	6.776E-03	2.637E-03	1.003E 01	2.388E-05	3.667E-05
1.405B OC	1.3372-01	1.1158-02	4.170E 00	5.579E-03	2.625E-03	1.017E 01	2.730E-05	4.316E-05
1.435E 00	1.407E-01	1.0748-02	4.240E 00	5.593E-03	2.5992-03	1.031E 01	3.023E-05	5.262E-05
1.465E 00	1.486E-01	1.0652-02	4.320E 00	7.141E-03	2.7588-03	1.045E 01	3.353E-05	5-880E-05
1.495E 00	1.480E-01	1.050E-02	4.400E 00	7.533E-03	2.979E-03	1.059E 01	3.727E-05	5.973 E-05
1.525E CC	1.4102-01	1.0568-02	4.480E 00	0.1935-03	5°1APE-03			

PHOTON ENERGY INTERVAL (MEV)	X-SECTION (E/SR)	ERROR (B/SR)
3.000E-01 - 4.000E-01	3.433B-02	4.4718-03
4.000E-01 - 5.000E-01	3.695E-02	4.2928-03
5.000E-01 - 6.000E-01	3.7241-02	2.9058-03
$6_{-}000F-01 - 7_{-}000E-01$	3.553E-02	2.4928-03
7.000F-01 - 8.000E-01	3.546E-02	1.9308-03
8.000E-01 - 1.000E 00	5. 1978-02	3.1077-03
1.000E 00 - 1.200E 00	4.490F-02	2.8238-03
1.200F 00 - 1.400F 00	2.969E-02	2.577E-03
1.400F 00 - 1.600E 00	2-790E-02	2.140E-03
1.600E 00 - 1.800E 00	2.3038-02	1.876E-D3
1.800F 00 - 2.000F 00	1.8338-02	1.5358-03
2-000F 00 - 2-500F 00	2.7358-02	3.080E-03
2.500F 00 - 3.000F 00	1.219E-02	2.1882-03
3 0002 00 - 3,5008 00	5.777F-03	1.5867-03
3.500E 00 - 4.000E 00	2.870F-03	1.559E-03
4.00CF 00 - 4.500E 00	3. 3508-03	1. 3718-03
4.500F 00 - 5.000F 00	1. 5408-03	1.2618-03
5.000P 00 - 6.000P 00	1.7275-03	1.2528-03
6 000 = 00 = 7.000 = 00	2. 2188-03	6 875 -04
7 00CT 00 - 8.000E 00	1. 1648-03	5 7158-04
8.00CF 00 - 9.000B 00	1. 9488-05	2.9428-05
9.0008 00 - 1.0008 01	2. 1828-05	3.1288-05

DIFFERENTIAL CROSS SECTIONS FOR GAMMA RAY PRODUCTION IN TH. THE FIRST SET OF NUMBERS IS THE DOUBLY DIFFERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GAMMA RAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GAMMA RAY ENERGY INTERVALS. THIS SECCHE SET RESULTS FROM INTEGRATION OF THE DUGBLY DIFFERENTIAL CATA. THE UNCERTAINTIES ARE GIVEN IN THE SAME UNITS AS THE DATA AND DO NOT INCLUDE AN ESTI-NATED 10 PERCENT EFFOR IN AFSOLUTE NORMALIZATION.

INCIDENT NEOTRON ENERGY = 10.00 TO 12.02 NEV. ANGLE = 125 DEGREES.

PEOTON ENERGY (NEV)	X-SECTION (B/SR/MEV)	ERROR (B/SR/MEV)	PHOTON ENERGY (MEV)	X-SECTION (E/SR/NEV)	ERROR (B/SR/MFV)	PRCTON ENERGY {MEV}	X-SECTION (B/SR/MEV)	ERBOR (b/sr/mev)
3.075E-01	4.926E-01	6. 176E-02	1.555E 00	1.6428-01	1.379E-02	4.560E 00	5.7542-03	2.923E-03
3,225E-C1	4.841E-01	5.698E-02	1.585E 00	1.5471-01	1.32€E-02	4.640E 00	4.821E-03	2.785E-03
3.375E-01	4.403E-01	5.172E-02	1.615E 00	1.550E-01	1,297E-02	4.720E 00	5.2238-03	2.619E-03
3.525E-01	3.9211-01	4.998E-02	1.645 E 00	1.6228-01	1,229E-02	4.800F 00	5.709E-03	2.594E-03
3.675E-01	4.030E-01	4.935E-02	1.680E 00	1.6612-01	1.127E-02	4.980E 00	5.508E+03	2.745E-03
3. 82 5E-01	4.226E-01	4.953E-02	1.720E 00	1.590E-01	1,116E-02	4.960E 00	4.559E-03	2.961E-03
3.575E-01	3.972E-01	5.181E-02	1.760E 00	1.5142-01	1.065E-02	5.040E 00	3.018E-03	3.068E-03
4,1258-01	3.497E-01	5.363E-02	1.800F 00	1.503E-01	9.631E-03	5.120E 00	1.487E-03	3.020E-03
4,275E-01	3.174E-01	5.764E-02	1.840E 00	1.497E-01	9.364E-03	5.200E 00	4.701E-04	2.873E-03
4.425E-01	3.156E-01	5.9232-02	1.880E 00	1.433E-01	9.4962-03	5.280E 00	9.123E-05	2.707E-03
4.575E-C1	3.424E-01	5.8208-02	1.920E 00	1.350E-01	9.536E-03	5.360E 00	-9.176E~05	-2.677E-03
4.7252-01	3.9CEE-01	5.523E-02	1.960E 00	1.313E-01	9.125E-03	5.4408 00	- 2. 606E-04	-2.748E-03
4.875E-01	4.3471-01	5.170E-02	2.000E 00	1.279E-01	8.627E-03	5.520E 00	-3.729E-05	-2.851E-03
5.025E-01	4.513E-01	4.8791-02	2.040E 00	1.203E-01	8.8332-03	5.600F 00	9.047E-04	2.885E-03
5.175E-01	4.549E-01	4.4392-02	2.080E 00	1.127E-01	8.885E-03	5.680E 00	2.195E-03	2.848E-03
5.325P-01	4.570E-01	3.759E-02	2.120E 00	1.075E-01	8.423E-03	5.760E 00	2.781E-03	2.746E-03
5.475E-01	4.298E-01	3.172E-02	2.160E 00	1.020E-01	8.074E-03	5.850E 00	2.701E-03	2.629E-03
5.625E-01	4.012E-01	2.9308-02	2.200E 00	9.4602-02	7.649E-03	5.950E 00	3.0498-03	2.6352-03
5.775E-01	3.7051-01	2.955E-02	2.240E 00	8.817E-02	7.507E-03	6.050E 00	4.160E-03	2.6598-03
5.9252-01	3.579E-01	3.085F-02	2.280E 00	8.571E-02	7.117E-03	6.150E 00	4.379E-03	2.584E-03
6.100E-C1	3.4412-01	3.311E-02	2.320E 00	8.64 UE-02	6.620E-03	6.250E 00	3.432E-03	2.409E-03
6.3008-01	3.236E-01	3.481E-02	2.360E 00	8.430E-02	6.116E-03	6.350E 00	2.4802-03	2.258E-03
6.5002-01	3.2071-01	3.301E-02	2.400E 00	7.414E-02	5.706E-03	6.450E 00	2.066E-03	2.1758-03
6.700E-01	3.339E-01	2.890E-02	2.440E 00	5.940E-02	5.668E-03	6.5501 00	1.561E-03	2.063E-03
6.9002-01	3.488E-01	2.674E-02	2.480E 00	4.763E-02	6.C88E-03	6.650F 00	8.740E-04	1.907E-03
7.100E-01	3.518E-01	2.424E-02	2.525E 00	4.352E-C2	6.772E-03	6.750E 00	1.040E-03	1.745E-03
7.300E-01	3.3928-01	2.449E-02	2.575E 00	4.559E-02	6.801E-03	6.850E 00	2.368E-03	1.619E-03
7.500E-01	3.3031-01	2.479E-02	2.625E 00	4.554E-02	6.596E-03	6.950E 00	3.868E-03	1,505E-03
7.700E-01	3.313E-01	2.273F-02	2.675E 00	4.245E-02	5.854E-03	7.050E 00	4.375E-03	1.328E-03
7.900E-01	3.309E-01	2.193E-02	2.725E 00	3.900E-02	4.613E-03	7.150E 00	3.774E-03	1.163E-03
E.100E-01	3.2382-01	2.092E-02	2.775E 00	3.360E-02	4.136E-03	7.250F 00	2.606E-03	1.027E-03
8.300E-CT	3.136E-01	1.946E-02	2.825E 00	2.724E-02	4.2351-03	7.350E 00	1.431E-03	9.239E-04
8.500E-01	2.9671-01	1.836E-02	2.875E 00	2.2762-02	3.8978-03	7.45DE 00	7.4142-04	7.843E-04
8.700E~01	2.7752-01	1. / /98-02	2.9258 00	2.0826-02	3.6638-03	7.5501 00	5.1915~04	6.170E-04
8.900E~01	2.0401-01	1.7516-02	2.9756 00	2.0748-02	3.5525+03	7.0001 00	1.0421-04	5.5321-04
9.1252~01	2.0428-01	1.7462-02	3.0302.00	2.0826-02	3.4925-03	7.78VE 00	~ 1. / /8E~U4	-4.85 (E-04
9.3758-01	2.1135-01	1.7948-02	3.0902 00	1./992-02	3.4022-03	7.900E 00	2.0175-04	-4,090E~04
9.0251-01	2.9112-01	1./012-02	3.1502.00	1.4/02-02	3.0701-03		2.30/2~0/	3.9878-04
9.8/55-01	2.89/1-01	1.0701-02	3.2102 00	1.3002-02	3.3362-03	8.1401 UU	4.9005-04	4.208E-04
1 0128 00	2.7452-01	1 7842-02	3.2708.00	1.0798-02	3 5792-03	8 3805 00	0. JUJE-04	3.0228-04
1 0630 00	2 7328-01	1 8268-02	3 3905 00	8 7678-03	3 3631-03	8 500F 00	1 450 8-04	2 3238-04
1.0032 00	2.7328-01	1 7098-02	3,3702,00	7 9578-03	3 3032-03	8 620E 00	-6 6348-05	-2 7378-04
1.0071 00	2.0342-01	1 5015-02	3.4502.00	0 476 - 03	3 3432-03	8 7405 00	-6 8338-05	-2 7508-04
1 1278 00	2 222 5-01	1 4508-02	3 5702 00	0.5182-03	3 4478-03	8 8601 00	-5 320F-05	-2 5038-04
1 1615 00	2 1028-01	1 4448-02	3 6705 00	1 0758-07	0 2088-03	8 9807 00	-3 9928-05	-1 9638-04
1 1021 00	2 (102-01	1 6358-02	3 6001 00	1 0295-02	» 6578-03	9 1007 00	-5 9857-05	-1 5758-04
1 21 28 00	2.0051-01	1 9148-02	3 7505 00	9 3178-03	4.0298-03	9.2208.00	-8-935E+05	-1.4698-04
1 2378 00	2.0721-01	1.7041-02	3.8108.00	7 7608-03	3. 40FE-03	9_340F 00	~ 1. 079E-04	-1.7518-04
1 26 28 00	2.1438-01	1.6278-02	3.8702 00	6.6908-03	3.2848-03	9.4707 00	-4.435E-05	-1-4628-04
1.2878 00	2-1378-01	1.5868-02	3.9305.00	6.128E-03	3.199E-03	9.610F 00	6.576F-D6	1. 15 38-04
1.3158 CC	2.053R-01	1.575E-02	3.990E 00	5.086E-03	3.C63E-03	9.750E 00	5.002E-05	1.007E-04
1.345F 00	1.9251-01	1.461E-02	4.050E 00	3.6291-03	2.9502-03	9.890E 00	8.913E-05	1.0838-04
1.375F 00	1.7781-01	1. 340 E-02	4.110E 00	2.2302-03	2.865E-03	1.003E 01	1.049E-04	1.058E-04
1.405E 00	1.6502-01	1.3082-02	4.170E 00	9.090E-04	2.758E-03	1.017E 01	1.352E-04	1.140E-04
1.43 SE CC	1-6128-01	1.3588-02	4.240E 00	- 3.452E- 04	-2.783E-03	1.031E 01	1.602E-04	1.357E-04
1.465E OC	1.6828-01	1.308E-02	4.320E 00	5.203E-04	2.871E-03	1.045E 01	1.672E-04	1.534E-04
1.4958 00	1.7681-01	1.232E-02	4.400E 00	4.100E-03	2.873E-03	1.059E 01	1.626E-04	1.605E-04
1.5252 00	1.7561-01	1. 282E-02	4.480E 00	6,478E-03	3.006E-03			

INTEGRATED DATA

PHOTON ENEIGY INTERVAL	I-SECTION	ERROR
(MEV)	(B/SR)	(B/SR)
3.000E-01 - 4.000E-01	4.3592-02	5.316E-03
4.000E-01 - 5.000E-01	3.642E-02	5.544B-03
5.000E-01 - 6.000E-01	4.172E-02	3.537E-03
6.000E-01 - 7.000E-01	3.341E-02	3.1278-03
7.000E-01 - 8.000E-01	3.3641-02	2.366E-03
8.000E-01 - 1.000E 00	5.757E-02	3.666E-03
1.00CE 00 - 1.200E 00	4.901E-02	3.304E-03
1.200E 00 - 1.400 E 00	3.985E-02	3.1228-03
1.400E 00 - 1.600E 00	3-3318-02	2-632E-03
1.60CE 00 - 1.800E 00	3. 158E-02	2.279E-03
1.800F 00 - 2.000E 00	2.795E-02	1.870E-03
2.000E 00 - 2.500E 00	4. 504 7-02	3.645E-03
2 500E 00 - 3.000E 00	1 7098-02	2.5038-03
3.000F 00 - 3.500F 00	6.511E-03	1.788E-03
3 500F 00 - 4.000F 00	# 149E-03	1 827 8-03
4.000F 00 - 4.500F 00	1. 2258-03	1_014 P-01
4 500P 00 - 5 000P 00	2 6835-03	1 3908-03
5.000E00 = 5.000E00	1 #308-03	1 4758-03
5 000F 00 - 7 000F 00	2 6178-03	2 0918-03
7 0008 00 - 9 0008 00	1 2075-02	5 0028-00
9 000 00 - 0 000 00 00	1 9218-09	7 9308-05
9 000E 00 - 1 000E 00	-1 5708-05	2 5638-05
	- (3.3035702

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DIFFERENTIAL CROSS SECTIONS FOR GARMA RAY PRODUCTION IN TH. THE FIRST SET OF NUMERES IS THE DOUGLY DIFFERENTIAL CROSS SECTION, HULLE THE SECOND SET IS THE GARMA RAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GAMMA RAY ENERGY INTERVALS. THIS SECOND SET RESULTS FROM INTEGRATION OF THE DOUBLY DIFFERENTIAL CATA. THE UNCERTAINTIES ARE GIVEN IN THE SAME UNITS AS THE DATA AND DO NOT INCLUDE AN ESTI-HAYED 10 PERCENT ERROR IN AESCLUTE NORMALIZATION.

INCIDENT NEUTRON ENERGY = 12.02 TO 14.00 NEV. ANGLE = 125 DEGREES.

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(ntr) (tr) (tr) <th(tr)< th=""> (tr) (tr) <th< th=""><th>PHOTON ENERGY</th><th>X-SECTION</th><th>ERROR</th><th>PHOTCN ENERGY</th><th>X-SECTION</th><th>ERBOR</th><th>PHOTON ENERGY</th><th>X-SECTION</th><th>ERROR</th></th<></th(tr)<>	PHOTON ENERGY	X-SECTION	ERROR	PHOTCN ENERGY	X-SECTION	ERBOR	PHOTON ENERGY	X-SECTION	ERROR
$\begin{array}{c} 3, 075-01 \\ 5, 075-01 \\ 5, 075-01 \\ 6, 071-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9, 0371-01 \\ 9,$	(11.4)	([]]] [] []]	(1/34/02)	(112.4)	(6/38/11.4)	(0/38/014)	(427)	(0/38/164)	(5/58/124)
$ \begin{array}{c} 3.255-01 & 4.6111-01 & 5.033-02 & 1.5555 & 00 & 2.1128-01 & 1.6188-02 & 4.6400 & 00 & 1.6788-03 & 3.7088-02 \\ 3.755-01 & 3.7185-01 & 7.348-02 & 1.6607 & 00 & 2.0911-01 & 1.6641-02 & 4.8080 & 00 & 1.4978-03 & 1.6788-03 \\ 3.6257-01 & 1.7187-01 & 7.5487-02 & 1.7607 & 00 & 2.0911-01 & 1.6641-02 & 4.8080 & 00 & 1.4978-03 & 1.6788-03 \\ 3.6257-01 & 3.7497-01 & 8.6787-02 & 1.7607 & 00 & 2.0911-01 & 1.6647-02 & 4.8080 & 00 & 7.388-03 & 4.0088-03 \\ 3.6257-01 & 3.7497-01 & 8.6787-02 & 1.7607 & 00 & 2.0911-01 & 1.6647-02 & 5.8080 & 00 & 6.738-03 & 4.0088-03 \\ 4.7258-01 & 3.7497-01 & 8.6787-02 & 1.4000 & 01 & 1.9912-01 & 1.8627-02 & 5.2080 & 00 & 5.568-03 & 3.6637-03 \\ 4.7258-01 & 2.6977-02 & 1.8007 & 00 & 1.9912-01 & 1.8627-02 & 5.2087 & 00 & 5.568-03 & 3.6637-03 \\ 4.7257-01 & 4.6972-02 & 1.9007 & 00 & 1.9927-01 & 1.8627-02 & 5.2087 & 00 & -2.6208-00 & -3.5487-03 \\ 4.7557-01 & 4.0592-01 & 7.8927-02 & 1.9007 & 00 & 1.9927-01 & 1.3647-02 & 5.4007 & 00 & -2.6208-00 & -3.5488-03 \\ 5.6757-01 & 4.6972-02 & 1.9007 & 00 & 1.9072-01 & 1.3647-02 & 5.4007 & 00 & -2.6208-00 & -3.5488-03 \\ 5.6757-01 & 4.6972-02 & 2.0007 & 00 & 1.7228-01 & 1.3072-02 & 5.6007 & 00 & -2.6208-00 & -3.5488-03 \\ 5.6757-01 & 4.6117-01 & 5.4972-02 & 2.0007 & 00 & 1.7228-01 & 1.3078-03 & 5.6007 & 00 & -2.6208-00 & -3.5488-03 \\ 5.6757-01 & 4.6117-01 & 5.6187-02 & 2.0007 & 00 & 1.7228-01 & 1.3178-03 & 5.6007 & 00 & -2.6208-00 & -3.5488-03 \\ 5.6757-01 & 4.6117-01 & 5.6187-02 & 2.0007 & 00 & 1.20278-01 & 1.3078-03 & 5.6007 & 00 & -2.6208-00 & -3.5488-03 \\ 5.6757-01 & 4.6117-01 & 5.6187-02 & 2.0007 & 00 & 1.63727-03 & 5.6007 & 00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.6208-00 & -2.62$	3.0758-01	5.401E-01	9.781E-02	1.555E 00	2.070 E-01	1.9952-02	4.560E 00	3.393B-03	4.079E-03
$ \begin{array}{c} 3,375-0, 4,738-0, 6,026-0, 2,1136-0, 1,6160, 20, 2,1136-0, 1,6160, 20, 4,708, 00, 1,6078-0, 3,3622-0, 3,738-0, 2,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7,738-0, 7$	3.225E-01	4.671E-01	9.033E-02	1.585E 00	2.112E-01	1.9192-02	4.6401 00	1.678E-03	3.703E-03
$\begin{array}{c} 1.2672-0.1 & 1.972-0.1 & 7.348-0.2 & 1.6807.00 & 2.0912-0.1 & 1.7621-0.2 & 1.8907.00 & 3.495-0.3 & 3.692-0.3 \\ 3.6725-0.1 & 3.793-0.1 & 5.052-0.2 & 1.7607.00 & 2.0568-0.1 & 1.6326-0.2 & 5.0407.00 & 6.7338-0.3 & 4.0028-0.3 \\ 4.725-0.1 & 2.937-0.1 & 8.6127-0.2 & 1.8007.00 & 1.9518-0.1 & 5.528-0.2 & 5.0407.00 & 6.7338-0.3 & 4.0028-0.3 \\ 4.725-0.1 & 3.2625-0.1 & 5.0577-0.2 & 1.8007.00 & 1.9518-0.1 & 5.528-0.2 & 5.2007.00 & 5.52818-0.3 & 3.6652-0.3 \\ 4.725-0.1 & 3.2625-0.1 & 5.0277-0.2 & 1.8007.00 & 1.9028-0.1 & 1.522-0.2 & 5.2007.00 & 5.5281-0.3 & 3.6652-0.3 \\ 4.725-0.1 & 4.0587-0.1 & 7.4027-0.2 & 1.9607.00 & 1.9028-0.1 & 1.522-0.2 & 5.2007.00 & 5.5282-0.3 & 3.6652-0.3 \\ 4.725-0.1 & 4.0587-0.1 & 7.4027-0.2 & 1.9607.00 & 1.9028-0.1 & 1.3627-0.2 & 5.4007.00 & -2.6028-0.4 & -3.5482-0.3 \\ 4.755-0.1 & 4.0587-0.1 & 7.4027-0.2 & 1.9607.00 & 1.9028-0.1 & 1.3627-0.2 & 5.4007.00 & -2.6028-0.4 & -3.5482-0.3 \\ 5.7357-0.1 & 4.0587-0.1 & 7.4027-0.2 & 2.0407.00 & 1.9027-0.1 & 1.3627-0.2 & 5.6007.00 & -2.6028-0.4 & -3.4542-0.3 \\ 5.7357-0.1 & 5.6377-0.1 & 5.657-0.2 & 2.0607.00 & 1.4027-0.1 & 1.3028-0.2 & 5.6017.00 & -1.7282-0.3 & -3.1592-0.3 \\ 5.6257-0.1 & 5.6378-0.1 & 5.657-0.2 & 2.1607.00 & 1.4027-0.1 & 1.3627-0.2 & 5.6017.00 & -1.7282-0.3 & -3.1592-0.3 \\ 5.6257-0.1 & 5.6157-0.2 & 2.1607.00 & 1.4027-0.1 & 1.3627-0.2 & 5.6017.00 & -1.7282-0.3 & -3.1592-0.3 \\ 5.6257-0.1 & 5.657-0.2 & 2.2007.00 & 1.3478-0.1 & 1.3627-0.2 & 5.6501.00 & -1.7282-0.3 & -3.0518-0.2 \\ 5.6257-0.1 & 5.657-0.2 & 2.2007.00 & 1.3478-0.1 & 1.3627-0.2 & 5.5051.00 & -1.7282-0.3 & -3.0518-0.2 \\ 5.6027-0.1 & 5.6677-0 & 4.6027.0 & 2.6070.0 & 1.3478-0.1 & 1.3627-0.2 & 5.6501.00 & -1.7282-0.3 & -3.0518-0.0 \\ 5.6027-0.1 & 3.6047-0.1 & 4.8067-0.2 & 2.2070.00 & 1.3478-0.1 & 1.3627-0.2 & 5.5051.00 & -1.7282-0.3 & -3.0518-0.0 \\ 5.6027-0.1 & 3.6047-0.1 & 4.8067-0.2 & 2.2070.00 & 1.3488-0.1 & 1.3682-0.2 & 5.0501.00 & 7.8678-0.3 & -2.6502-0.0 & -2.6582-0.3 & -2.6502-0.0 & -2.6582-0.3 & -2.6502-0.0 & -2.6582-0.3 & -2.6502-0.3 & -2.6502-0.3 & -2.6502-0.3 & -2.6502-0.3 & -$	3.3752-01	4.7381-01	8.082E-02	1.615E 00	2.113E-01	1.8108-02	4.720 F 00	1.467E-03	3.6522-03
$ \begin{array}{c} 1, 252 \pm 0, 0 & 1, 732 \pm 0, 1 & 7, 646 \pm 0, 2 & 1, 700 \pm 0, 0 & 2, 068 \pm 0, 1 & 1, 638 \pm 0, 2 & 4, 860 \pm 0, 0 & 8, 143 \pm 0, 3 & 4, 006 \pm 0, 0 & 4, 026 \pm 0, 0 & 4, 026$	3.5258-01	5.0/32-01	7.8745-02	1.6452.00	2.1102-01	1. /158-02	4.8001 00	3.428E-03	3./34E-03
$\begin{array}{c} 1,575-0,1\\ 3,755-0,1\\ 3,755-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,725-0,1\\ 4,72$	3.0/05-01	1 7235-01	7.5345-02	1 7208 00	2.0912-01	1.6345-02	4.00000000	0. 1992-03 8 185P-03	3.8/8E-03
4,2752-01 2,4722-01 1,4000 0 1,9322-01 1,4022-02 5,2020 00 7,4632-03 3,7132-03 4,2722-01 2,2667-01 9,0377-02 1,4000 0 1,9028-01 1,4522-02 5,2002 00 5,2652-03 3,6652-03 4,7552-01 1,2667-01 5,3522-02 1,4000 0 1,9784-02 5,4000 00 2,6022-04 -3,5482-03 4,7552-01 4,0597-01 7,6272-02 2,6000 0 1,2272-01 1,3602-02 5,4000 0 -4,7732-04 -3,5482-03 -3,5482-03 -3,5482-03 -3,5482-03 -3,5482-03 -3,2422-00 -3,5482-03 -3,2422-03 -3,5482-03 -3,2422-03 -3,3428-03 -3,242-03 -3,3428-03 -3,242-03 -3,3428-03 -3,242-03 -3,3428-03 -5,6558-00 -1,2428-03 -3,3428-03 -5,6558-03 -1,2428-03 -3,3428-03 -5,6558-03 -5,658-03 -5,628-03 -5,628-03 -5,628-03 -5,628-03 -5,638-03 -3,248-03 -5,658-03 -5,628-03 -5,658-03 -5,628-03 -5,658-03 -5,628-03 -5,658-03 -5,628-03 -5,658-03	3.6252-01	3.7491-01	8.054F-02	1.7605 00	2.0148-01	1.5698-02	5.0407 00	8.7338-03	4.0068-03
a.272E-C1 2.272E-C1 2.827E-C1 3.405E-C2 3.4007 1.902E-C1 3.425E-C2 3.4007 0.1908E-C1 1.462E-C2 5.200E-C0 2.8012-C0 3.805E-C2 a.755E-C1 3.107E-C1 4.552E-C2 1.9208 0.1908E-C1 1.364E-C2 5.3002 00 2.805E-C0 3.805E-C2 a.755E-C1 1.9208 0.1907E-C1 1.364E-C2 5.4007 00 -2.6202-C0 -3.316E-C2 a.755E-C1 5.4007 0.7925F-C2 2.0002 00 -2.6202-C0 -3.316E-C0 -3.316E-C2 a.755E-C1 5.4057 C.0007 0.2625E-C1 -3.937E-C0 -3.316E-C2 -0.007 0.007 -3.357E-C0 -3.357E-C1 -3.316E-C2 -3.305E-C2 -3.001 -3.318E-C1 -3.357E-C1 -3.305E-C2 -3.001 -3.318E-C1 -5.5501 0.1721E-C3 -3.318E-C3 -5.5501 0.1721E-C3 -3.318E-C3 -5.5501 0.1721E-C3 -3.051E-C3 -3.005E-C3 -5.5501 0.75012 -	4.125E-01	2.937E-01	8.612E-02	1.800E 00	1.951E-01	1.5348-02	5.120F 00	7.685E-03	3.713E-03
a, 225-01 3.216E-01 9.352E-02 1.800E 00 1.902E-01 1.364E-02 5.200E 00 2.865E-03 3.041E-02 a, 755-01 a, 059E-01 7.922E-02 1.900E 00 1.927E-01 1.346E-02 5.400E 00 -2.620E-04 -3.548E-02 a, 875E-01 4.059E-01 7.922E-02 2.000E 00 1.227E-01 1.331E-02 5.600E 00 -2.620E-04 -3.428E-02 5.225E-01 5.400E 00 1.227E-01 1.331E-02 5.600E 00 -4.605E-02 -3.228E-02 5.600E 00 -4.605E-03 -3.328E-02 5.225E-01 5.116E-01 5.675E-02 2.100E 00 1.448E-01 1.347E-02 5.850E 00 -1.242E-03 -3.338E-03 5.625E-01 3.966E-01 4.695E-02 2.200E 00 1.348E-01 1.108E-02 5.850E 00 -1.242E-03 -3.038E-03 5.625E-01 3.515E-02 2.200E 00 1.256E-01 1.099F-02 6.050E 00 5.638E-03 3.009E-03 5.625E-01 3.607E-03 3.008E-03	4.275E-C1	2.8212-01	9.097E-02	1.840E 00	1.902E-01	1.452E-02	5.200E 00	5.526E-03	3.685E-03
a, 575t-01 3, 747t-01 8, 532t-02 1, 960t 00 1, 992T-01 1, 364t-02 5, 360t 00 5, 993z-00 3, 849t-03 a, 755t-01 4, 056t-01 7, 842t-02 2,000t 00 1, 292T-01 1, 384t-02 5, 520t 00 -4, 775t-04 -3, 376t-03 5, 025t-01 5, 461t 00 6, 344t-02 2,000t 00 1, 647t-01 1, 337t-02 5,600t 00 -4, 775t-04 -3, 359t-03 5, 175t-01 5, 641t-01 6, 344t-02 2,000t 00 1, 647t-01 1, 337t-02 5,600t 00 -1, 728t-03 -3, 359t-03 5, 475t-01 5, 641t-01 5, 165t-02 2,160t 00 1, 348t-02 5, 650t 00 -1, 728t-03 -3, 313t-03 5, 775t-01 3,866t-01 4, 640t-02 2,200t 00 1, 314t-01 1,160t-02 6,050t 00 5,63t-03 3,005t-03 3,035t-03 3,005t-03 3,065t-03 3,005t-03 3,03t-03 3,005t-03 3,045t-03 3,005t-03 <t< td=""><td>4.425E-01</td><td>3.3C6E-01</td><td>9.352E+02</td><td>1.880F 00</td><td>1.908 E-01</td><td>1.4621-02</td><td>5.280E 00</td><td>2.865E-03</td><td>3.841E-03</td></t<>	4.425E-01	3.3C6E-01	9.352E+02	1.880F 00	1.908 E-01	1.4621-02	5.280E 00	2.865E-03	3.841E-03
a, 257-01 u, 059-01 7, 925-01 1, 9608 1, 9908-01 1, 3918-02 5, 4406 00 -2, 6208-04 -3, 5488-3 c, 075-01 4, 016-01 7, 9427-02 2, 0008 00 1, 2728-01 1, 3918-02 5, 6007 00 -2, 6208-04 -3, 4288-01 5, 1752-01 5, 1182-01 5, 6707-02 2, 1008 00 1, 5717-02 5, 6000 0 -7, 1288-01 -3, 3288-00 5, 4755-01 4, 9116-01 5, 6979-02 2, 1008 00 1, 5178-01 1, 3717-02 5, 7608 00 -2, 1558-03 -3, 3288-00 5, 4755-01 5, 9178-01 5, 9179-02 2, 1008 00 1, 3178-01 1, 2088-02 5, 6010 0 5, 6168 00 -2, 1582-03 3, 0098-00 5, 6168-03 3, 0098-03 5, 6358-03 6, 5007 0 7, 6778-03 2, 7588-03 6, 5007 0 7, 6778-03 2, 5918-03 6, 5007 0 7, 6778-03 2, 5918-03 6, 5008 0 1, 7578-03 6, 5008 0 7, 7568-03 2, 7588-03 0 1, 1528-01 2, 5918-03 1, 1528-01 2, 5918-03 <td>4.5752-01</td> <td>3.747E-01</td> <td>8.532E-02</td> <td>1.920E 00</td> <td>1.927 E-01</td> <td>1.3962-02</td> <td>5.360E QO</td> <td>5.993E-04</td> <td>3.895E-03</td>	4.5752-01	3.747E-01	8.532E-02	1.920E 00	1.927 E-01	1.3962-02	5.360E QO	5.993E-04	3.895E-03
a, 375E-01 a, 106E-01 7, 882E-02 2, 000E 00 1, 227E-01 1, 405E-02 5, 520E 00 -4, 775E-00 -3, 376E-03 5, 177E-01 5, 1660E 00 -4, 175E-01 1, 405E-02 5, 600E 00 -4, 405E-03 -3, 424E-03 -3, 424E-03 -3, 334E-03 5, 177E-01 5, 167E-01 5, 167E-02 2, 100E 00 1, 511E-01 1, 371E-02 5, 650E 00 -1, 124E-03 -3, 334E-03 5, 637E-01 4, 411E-01 5, 165F-02 2, 100E 00 1, 234E-02 5, 650E 00 -1, 242E-03 -3, 334E-03 5, 637E-01 3, 666E-01 4, 416E-02 2, 200E 00 1, 235E-01 1, 079E-02 6, 550E 00 5, 477E-03 2, 656E-03 6, 700E-01 3, 522E-01 5, 200E-02 2, 400E 00 1, 255E-01 1, 079E-02 6, 550E 00 5, 477E-03 2, 556E-03 2, 547E-03 6, 650E 00 1, 355E-03 2, 547E-03 2, 547E-03 2, 547E-03 2, 556E-03 2, 547E-03 6, 652E-02 2, 400E 00 9, 267E-03 6, 650E 00	4.7258-01	4.0591-01	7.925E-02	1.960E 00	1.909E-01	1.3642-02	5.440E 00	-2.620E-04	-3.548E-03
1.022F-C1 5.289F-C1 6.99F-C2 2.0008 00 1.29F-C1 1.405F-02 5.600F 00 -1.22E-C3 3.49F-03	4.875E-01	4.706E-01	7.682E-02	2.0COE 00	1.827E-01	1.3918-02	5.520E 00	-4.775E-04	-3.376 E-03
1: 1/2 = 01 1: 1/2 = 01 1: 3/2 = 02 2: 000 = 00 1: 00 = 10 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02 1: 0/2 = 02	5.025E-C1	5.488E-01	6.993E+02	2.040E 00	1.729E-01	1.4058-02	5.600E 00	-9.805E-04	-3.424E+03
1:1252-01 1:415-01 5.1657-02 2.1601 00 1.4462-01 1.3462-02 5.8501 00 -1.4227-03 3.332-02 5:4228-01 3.616-01 4.4108-02 2.2001 00 1.3142-01 1.2028-02 5.9501 00 5.6352-03 3.0097-03 5:4228-01 3.616-01 4.4108-02 2.2001 00 1.2358-01 1.6028-02 6.5051 00 5.6352-03 3.0097-03 3.0097-03 5:4228-01 3.2010-02 2.2302 00 1.2528-01 1.0797-02 6.2507 00 7.6428-03 2.7558-03 2.7558-03 2.7558-03 2.7558-03 2.5758-03 2.7558-03 2.5758-03 2.5758-03 2.5758-03 2.5758-03 2.5758-03 2.5758-03 2.5758-03 2.5758-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 2.5518-03 </td <td>5.1/5E-01 5.325E-01</td> <td>5 1105-01</td> <td>5 6975-02</td> <td>2.000E 00</td> <td>1.04/2-01</td> <td>1 3/32-02</td> <td>5 7602 00</td> <td>-1.7282-03</td> <td>-3.4592-03</td>	5.1/5E-01 5.325E-01	5 1105-01	5 6975-02	2.000E 00	1.04/2-01	1 3/32-02	5 7602 00	-1.7282-03	-3.4592-03
1.3255-01 3.9665-01 4.6995-02 2.2002 00 1.3732-01 1.2822-02 5.9551 00 1.7127-03 3.0552-03 3.0097-03 5.7752-01 3.8016-01 4.8108-02 2.2001 00 1.2561-01 1.605-02 6.0501 00 5.6352-03 3.0097-03 6.0021 3.7572-04 5.2008-02 2.3020 00 1.2552-01 1.0757-02 6.3501 00 5.6352-03 2.7558-03 6.0021 3.4521-01 5.2008-02 2.4002 00 1.5262-01 1.0757-02 6.3501 00 5.4352-03 2.7758-03 2.7768-03 2.7758-03 6.5002-01 3.4661-01 5.0128-02 2.4002 00 1.5267-01 6.4502 00 2.9748-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.5718-03 2.57178-03 2.5718-03 2.5718-03	5.323E-01	5.1101-01 h 0115-01	5 1655-02	2 160 00	1 4487-01	1 3498-02	5 8501 00	-1 2428-03	-3.3242-03
$ \begin{array}{c} \underline{e}, 77 \\ \underline{e}, e1 \\ \underline{s}, 215 \\ \underline{s}, 215 \\ \underline{e}, e1 \\ \underline{s}, 215 \\ \underline{s}, 215 \\ \underline{e}, e1 \\ \underline{s}, 215 \\ \underline{s}, 21$	5 6258-01	3.9667-01	4.699E-02	2. 200E 00	1.3738-01	1.2828-02	5.9501 00	1. 721 - 03	3.0518-03
$ \begin{array}{c} 5.225 \pm 0.1 \\ 5.262 \pm 0.1 \\ 5.267 \pm 0.1 \\ 5.200 \pm 0.2 \\ 2.300 \pm 0.0 \\ 5.00 \pm 0.1 \\ 3.452 \pm 0.1 \\ 5.200 \pm 0.2 \\ 5.200 \pm 0.2 \\ 2.300 \pm 0.0 \\ 1.152 \pm 0.1 \\ 1.075 \pm 0.2 \\ 5.00 \pm 0.0 \\ 5.477 \pm 0.3 \\ 5.00 \pm 0.0 \\ 5.477 \pm 0.0 \\ 5.51 \pm 0.0 \\ 5.477 \pm 0.0 \\ 5.50 \pm 0.0 \\ 7.575 \pm 0.0 \\ 5.477 \pm 0.0 \\ 7.575 \pm 0.0 \\ 5.477 \pm 0.0 \\ 7.575 \pm $	5.775E-C1	3.816E-01	4.410E-02	2.240E 00	1.314E-01	1.1602-02	6.050E 00	5.636E-03	3.009E-03
$\begin{array}{c} 6.1002-01 & 3.4252-01 & 5.2008-02 & 2.3202 00 & 1.2052-01 & 1.0792-02 & 6.2502 00 & 7.48228-03 & 2.7552-03 \\ 6.5002-01 & 3.44652-01 & 5.0152-02 & 2.4002 00 & 1.6528-03 & 6.4502 00 & 2.9748-03 & 2.9512-03 \\ 6.002-01 & 3.6532-01 & 3.80228-02 & 2.4402 00 & 9.2678-02 & 9.6622-03 & 6.6502 00 & 1.36528-03 & 2.5142-03 \\ 7.1002-01 & 3.5032-01 & 3.80228-02 & 2.4402 00 & 7.6562-02 & 9.6622-03 & 6.6502 00 & 2.7288-04 & 2.5502-03 \\ 7.1002-01 & 3.5032-01 & 3.5141-02 & 2.5528 00 & 6.06228-02 & 1.10028-02 & 6.9502 00 & -1.1308-03 & -1.9782-03 \\ 7.5002-01 & 3.60228-01 & 3.4032-02 & 2.6752 00 & 5.6328-02 & 1.1288-03 & 7.1502 00 & -1.6812-04 & -1.2352-03 \\ 7.002-01 & 3.60228-01 & 3.4032-02 & 2.6752 00 & 5.6328-02 & 9.4768-03 & 7.1502 00 & 1.5082-03 & 1.6922-03 \\ 7.002-01 & 3.6228-01 & 3.4032-02 & 2.6752 00 & 5.80128-02 & 9.4768-03 & 7.1502 00 & 1.5082-03 & 1.6922-03 \\ 8.002-01 & 3.6228-01 & 3.1662-02 & 2.7752 00 & 5.80128-02 & 6.4552-03 & 7.1502 00 & 1.5082-03 & 1.6922-03 \\ 8.002-01 & 3.2281-01 & 3.1662-02 & 2.8752 00 & 5.4012-02 & 6.4952-03 & 7.3501 00 & 1.5168-03 & 1.3068-03 \\ 8.3002-01 & 3.0931-01 & 2.9672-02 & 2.9252 00 & 5.4012-02 & 6.4952-03 & 7.3501 00 & 1.5168-03 & 1.3068-03 \\ 8.3002-01 & 2.9012-01 & 2.9672-02 & 2.9752 00 & 4.80628-02 & 6.0572-03 & 7.3501 00 & 0.717167-03 & 1.3028-04 \\ 9.2528-01 & 2.9312-01 & 2.7582-02 & 2.9752 00 & 4.3027-02 & 5.9712-03 & 7.6501 00 & 0.14228-03 & 9.0022-04 \\ 9.2528-01 & 2.9528-01 & 2.7582-02 & 3.9302 00 & 3.7972-02 & 5.9712-03 & 7.6501 00 & 0.14228-03 & 9.0022-04 \\ 9.2528-01 & 2.9528-01 & 2.7662-02 & 3.1502 00 & 1.9628-03 & 7.6501 00 & 0.14228-03 & 9.0022-04 \\ 9.2528-01 & 2.9528-01 & 2.6928-03 & 7.0501 00 & 5.4492-04 & 5.2082-04 \\ 9.6259-01 & 2.9528-01 & 2.7642-02 & 3.1502 00 & 1.7972-02 & 5.9712-03 & 7.6501 00 & 1.4428-03 & 9.4022-04 \\ 9.6259-01 & 2.9528-01 & 2.7642-02 & 3.1502 00 & 1.9328-02 & 5.6928-03 & 7.6501 00 & 1.4428-03 & 9.4022-04 \\ 9.6259-01 & 2.9528-01 & 2.40872-02 & 3.2702 00 & 1.9482-02 & 5.5982-03 & 8.50010 00 & 5.4482-04 & 4.2682-04 \\ 1.0372 00 & 2.9758-01 & 2.764$	5.9258-01	3.EC1E-01	4.816E~02	2.280E 00	1.2562-01	1.099E-02	6.150E 00	8.154E-03	3.085E-03
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6.100E-01	3.7051-01	5.200E-02	2.320E 00	1.205E-01	1.079E-02	6.250B 00	7.882E-03	2.755E-03
6.5002-01 3.4067-01 5.0152-02 2.4002 00 1.0592-01 3.46507 00 2.9747-03 2.5917-03 2.5017-03 2.5507 00 1.3658-03 2.5917-03 2.5507 00 1.3658-03 2.5507 00 1.3658-03 2.5507 00 2.5507 00 1.3658-03 2.5507 00 2.5507 00 1.3658-03 2.5507 00 2.5507 00 2.5507 00 2.6527 03 6.6502 00 2.7228-00 2.5507 00 3.6017 00 -2.1738-03 7.1307 00 -0.6517 00 3.6027 00 -1.6327 02 2.7572 00 6.63126-02 1.1002-02 6.9507 00 -3.64517 00 -1.63257 00 5.63126-02 7.1502 00 1.5087 00 -1.63257 00 5.63126-02 7.6512-03 7.1502 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.5087 00 1.	6.300E-01	3.4521-01	5.240E-02	2.360E 00	1.152E-01	1.0178-02	6.350E QO	5.477E-03	2.766E-03
6.7002-C1 3.6667-01 4.2562-02 2.4400 00 9.26778-02 8.9718-03 6.5502 00 1.3652-03 2.5502-03 7.4002-01 3.5032-01 3.6012-02 2.4801 00 7.6562-02 1.0852-02 6.7508 00 -8.6412-04 -2.5502-03 7.3002-01 3.5012-01 3.5511-02 2.5552 00 6.6322-02 1.1022-02 6.9501 00 -3.8452-04 -2.5502-03 7.3002-01 3.6612-01 3.5511-02 2.6252 00 6.5122-02 1.1002-02 6.9501 00 -3.8452-04 -1.42528-03 7.4002-01 3.4632-01 3.4032-02 2.6752 00 6.63228-03 7.4502 00 1.53028-03 1.69228-03 8.1002-01 3.2922-01 2.6352 00 5.40328-02 6.4652-03 7.3502 00 1.51628-03 1.34628-03 8.3002-01 2.9052-02 2.8352 00 5.3028-02 6.4052-03 7.3502 00 1.5172-04 1.71298-03 8.3002-01 2.9011-01 2.96729-02 2.8328-03 7.3502 00 1.5172-04 1.71298-03 8.3002-01 2.9011-01 2.96729-02 2.8328-03 7.3502 00 1.51728-03 1.307203	6.5002-01	3.446 E-01	5.015E~02	2.400E 00	1.059E-01	9.365E-03	6.450E 00	2.974E-03	2.591E-03
b, 900E-01 3.502F-02 3.602F-03 6.502F-03 6.502F-03 6.502F-04 2.502F-04 7.100E-01 3.501F-01 1.531F-02 2.575F 00 6.662F-02 1.102E-02 6.850F 00 -1.372F-03 7.500E-01 3.661F-01 2.551F 00 6.6512F-02 1.102E-02 6.850F 00 -1.372F-04 -1.372F-03 7.900E-01 3.452F-01 3.402F-02 2.755F 00 6.564F-02 9.476E-03 7.050F 00 7.877F-04 1.729F-03 8.100F-01 3.222F-01 3.166E-02 2.775F 00 5.801F-02 7.851F-03 7.150F 00 1.516F-03 1.346E-03 8.300F-01 2.927F-01 2.865F 00 5.302F-02 6.432FF-03 7.450F 00 1.717F-04 1.147F-03 8.300F-01 2.967F-02 2.925F 00 5.499F-02 5.302F-03 7.550F 00 1.3146E-04 2.178F 1.3406F-03 8.300F-01 2.967F-02 2.925F 00 5.498F-02 6.032FF-03 7.560F 00 7.716F-04 1.147F-03 <	6.700E-C1	3.686E-01	4.256E-02	2.440E 00	9.267E-02	8.971E-03	6.550E 00	1.365E-03	2.514E-03
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6.9008-01	3.6538-01	3.6026-02	2.4801 00	1.0501-02 6.0638-03	9.0022-03	6.00VE UU	-9 6418-04	2.0008-03
7.5002-01 3.5302-01 2.5312-02 2.5322-02 1.1222-02 0.3022-01 0.4302-03 -1.8222-03 7.5002-01 3.6822-01 2.4032-02 2.6752-00 7.6022-02 1.002-02 6.9502-03 7.0502-00 7.872-04 1.7225-03 7.9002-01 3.2222-01 3.3212-02 2.7752-00 6.8512-03 7.2502-00 1.5902-03 1.33212-02 1.33212-02 8.1002-01 3.9331-02 2.9672-02 2.8325-00 5.4932-03 7.4502-00 1.33212-03 1.3302-03 8.5002-01 2.9932-01 2.8452-00 5.4932-02 6.4852-03 7.4502-00 1.33212-03 1.3302-03 8.5002-01 2.9572-00 2.8352-02 5.9322-03 7.4502-00 7.14502-03 1.4172-04 1.4172-03 8.9002-01 2.9572-00 2.93752-00 5.6922-03 7.6602-00 1.9912-03 8.4022-04 9.4022-04 9.1252-01 2.4762-01 2.9452-02 3.0302-00 2.9482-02 5.6922-03 7.6602-00 1.9122-03 9.4022-04 9.13752-01 2.5651-01 2.75820-02 3.01200 0.37972-02 5.67132-03 8.1020	7.1008-01	3.5091-01	3.0116-02	2.5258 00	6.062E-02	1 1200-02	6.750E 00 4 850E 00	-1 1208-03	-2.1/32-03
1.7002-01 3.4012-02 3.4012-02 3.4012-03 1.4012-03 7.0002-01 3.4012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04 1.7012-04	7.3008-01	3.5101-01	2.5548-02	2.5750 00	6 512F-02	1.1008-02	6.950T 00	+3.845F+04	-1 825 8-03
7.9007-01 3.4227-01 3.218-02 2.7257 03 6.6677-02 7.6537-03 7.1508 00 1.5308-03 1.6022-03 8.1007-01 3.2287-01 3.1668-02 2.7752 00 5.8017-02 6.6378-03 7.2508 00 1.5168-03 1.3468-03 8.3007-01 2.9037-01 2.96778-02 2.8252 00 5.4892-02 6.4892-03 7.3508 00 1.2182-03 1.3468-03 8.5007-01 2.90378-01 2.8752 00 5.4892-02 6.4892-03 7.4507 00 7.7167-04 1.1472-03 8.7007-01 2.5567-01 2.7548-02 2.9757 00 4.8068-02 6.0058-03 7.5507 00 8.1372-04 1.0172-03 9.4027-04 0.4307-02 5.6772-03 7.6007 00 5.4498-04 8.2488-04 8.0207 00 5.4488-02 6.3578-03 7.9007 00 5.4488-04 8.2488-04 8.0207 00 5.4488-04 6.4280-03 7.5007 00 5.4498-04 8.2488-04 8.0207 00 5.4488-02 5.3788-03 7.9007 00 5.4488-04 6.0280 00 -9.9538-05 -7.1348-04 7.1348-04 5.7188-03 8.0007 00 5.9488-02 5.3678-03 8.3008 00 3.0138-05	7.7005-01	3-6828-01	3.403E-02	2. E75E 00	7.069E-02	9.4768-03	7.050E 00	7.877E-04	1.729E-03
8. 1002-01 3.2282-01 3.1662-02 2.7752 00 5.8012-02 6.8352-03 7.2508 00 1.5162-03 1.3362-03 8. 3002-01 3.0932-01 2.9672-02 2.9252 00 5.4892-02 6.4692-03 7.3508 00 1.2132-03 1.3302-03 8. 5002-01 2.9011-01 2.8467-02 2.8752 00 5.3012-02 6.3272-03 7.4508 00 7.71612-04 1.1472-03 8. 5002-01 2.5552-01 2.7588-02 2.9752 00 4.3302-02 5.992-03 7.6602 00 1.1422-03 9.4022-04 9.1252-01 2.4762-01 2.8924-02 3.0302 00 3.7972-02 5.7172-03 7.7602 00 1.0912-03 8.6748-04 9.6252-01 2.9322 P-01 2.8062-02 3.1502 00 1.8462-02 6.33202-03 8.0202 00 -9.0532-05 -7.134 P-04 9.6252-01 2.93752-01 2.6932-02 3.2102 00 1.8462-02 5.872-03 8.1402 00 -3.202 P-04 -6.464619-04 1.0122 00 3.200 P.01 1.2487-02 6.3672-03 8.1402 00 -3.202 P-04 -6.464619-04 1.0122 00 3.200 P.01 1.4682-02 5.9812-03	7.900E-01	3.45ZE-C1	3.3218-02	2.7252 00	6.568E-02	7.853E-03	7.150E 00	1. 590 E-03	1.692E-03
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	8.100E-01	3.2282-01	3.166E-02	2.775E 00	5.801E-02	6.8352-03	7.250E 00	1.516E-03	1.346E-03
$\begin{array}{c} 8.500\ {\rm E}{\rm -01} & 2.90\ {\rm II}{\rm -01} & 2.846\ {\rm E}{\rm -02} & 2.875\ {\rm E}{\rm 00} & 0.30\ {\rm E}{\rm -02} & 6.32\ {\rm E}{\rm -03} & 7.450\ {\rm E}{\rm 00} & 7.716\ {\rm E}{\rm -04} & 1.14\ {\rm I}{\rm E}{\rm -03} \\ 8.700\ {\rm E}{\rm -01} & 2.556\ {\rm E}{\rm -01} & 2.754\ {\rm E}{\rm -02} & 2.955\ {\rm E}{\rm 00} & 4.366\ {\rm E}{\rm -02} & 5.69\ {\rm E}{\rm +03} & 7.560\ {\rm E}{\rm 00} & 1.142\ {\rm E}{\rm -03} & 9.402\ {\rm E}{\rm -04} \\ 8.125\ {\rm E}{\rm -01} & 2.556\ {\rm E}{\rm -01} & 2.824\ {\rm E}{\rm -02} & 3.030\ {\rm E}{\rm 00} & 2.94\ {\rm E}{\rm E}{\rm 00} & 5.69\ {\rm E}{\rm +03} & 7.560\ {\rm E}{\rm 00} & 1.09\ {\rm E}{\rm -03} & 8.874\ {\rm E}{\rm -04} \\ 9.625\ {\rm E}{\rm -01} & 2.932\ {\rm E}{\rm -01} & 2.806\ {\rm E}{\rm -02} & 3.030\ {\rm E}{\rm 00} & 2.94\ {\rm E}{\rm -02} & 5.71\ {\rm E}{\rm -03} & 8.020\ {\rm E}{\rm 0} & -3.220\ {\rm E}{\rm -04} & -3.250\ {\rm E}{\rm -04} & -4.320\ {\rm E}{\rm -04} & -3.250\ {\rm E}{\rm -04} & -4.320\ {\rm E$	8.300E-01	3.093E-01	2.967E-02	2.825E 00	5.4892-02	6.469E-03	7.350E 00	1.213E-03	1.330E-03
$ \begin{array}{c} \textbf{E}, \textbf{70} (\textbf{F}-\textbf{C1} & 2.637 \textbf{F}-\textbf{0} & 2.758 \textbf{F}-\textbf{0} & 2.92 \textbf{F} & 00 & 4.80 \textbf{F}-\textbf{0} & 6.00 \textbf{F}-\textbf{0} & 7.550 \textbf{F} & 00 & 8.13 \textbf{F}-\textbf{0} & 1.07 \textbf{F}-\textbf{0} \\ \textbf{S}, \textbf{90} \textbf{C}-\textbf{0} & 2.55 \textbf{F}-\textbf{C} & 1.275 \textbf{F}-\textbf{0} & 2.975 \textbf{F} & 00 & 4.30 \textbf{F}-\textbf{0} & 5.63 \textbf{F}-\textbf{0} & 7.760 \textbf{F} & 00 & 1.142 \textbf{F}-\textbf{0} & \textbf{3}, 02 \textbf{F}-\textbf{0} \\ \textbf{S}, \textbf{1} 25 \textbf{F}-\textbf{0} & 2.476 \textbf{F}-\textbf{0} & 2.824 \textbf{F}-\textbf{0} & 3.030 \textbf{F} & 00 & 2.948 \textbf{F}-\textbf{0} & 5.498 \textbf{F}-\textbf{0} & 3.760 \textbf{F} & 00 & 1.142 \textbf{F}-\textbf{0} & \textbf{3}, 8.84 \textbf{K}-\textbf{0} \\ \textbf{S}, \textbf{2} 55 \textbf{F}-\textbf{0} & 2.755 \textbf{F}-\textbf{0} & 2.806 \textbf{F}-\textbf{0} & 3.090 \textbf{F} & 00 & 2.948 \textbf{F}-\textbf{0} & 5.498 \textbf{F}-\textbf{0} & 5.498 \textbf{F}-\textbf{0} & 8.020 \textbf{F} & 00 & 5.4498 \textbf{F}-\textbf{0} & 8.248 \textbf{F}-\textbf{0} \\ \textbf{S}, \textbf{6} 25 \textbf{F}-\textbf{0} & 1.280 \textbf{F}-\textbf{0} & 2.3150 \textbf{F} & 00 & 1.846 \textbf{F}-\textbf{0} & 2.587 \textbf{F}-\textbf{0} & 8.020 \textbf{F} & 00 & 5.4498 \textbf{F}-\textbf{0} & 8.248 \textbf{F}-\textbf{0} \\ \textbf{S}, \textbf{6} 25 \textbf{F}-\textbf{0} & 1.122 \textbf{F}-\textbf{0} & 2.806 \textbf{F}-\textbf{0} & 3.150 \textbf{F} & 00 & 1.846 \textbf{F}-\textbf{0} & 2.587 \textbf{F}-\textbf{0} & 8.020 \textbf{F} & 00 & 5.4498 \textbf{F}-\textbf{0} & 8.248 \textbf{F}-\textbf{0} \\ \textbf{S}, \textbf{6} 27 \textbf{F}-\textbf{0} & 3.200 \textbf{F}-\textbf{0} & 1.2698 \textbf{F}-\textbf{0} & 3.200 \textbf{F} & 00 & 1.848 \textbf{F}-\textbf{0} & 8.020 \textbf{F} & 00 & -3.220 \textbf{F}-\textbf{0} & -4.461 \textbf{F}-\textbf{0} \\ \textbf{1}, \textbf{0} 37 \textbf{F} & 00 & 3.022 \textbf{F} & 01 & 2.563 \textbf{F}-\textbf{0} & 3.300 \textbf{F} & 00 & 1.953 \textbf{F}-\textbf{0} & 8.380 \textbf{F} & 03 & 3.013 \textbf{F}-\textbf{0} & 4.320 \textbf{F}-\textbf{0} \\ \textbf{1}, \textbf{0} 37 \textbf{F} & 00 & 2.921 \textbf{F}-\textbf{0} & 2.563 \textbf{F}-\textbf{0} & 3.300 \textbf{F} & 00 & 1.953 \textbf{F}-\textbf{0} & 8.500 \textbf{F} & 00 & 4.220 \textbf{F}-\textbf{0} & 5.581 \textbf{F}-\textbf{0} \\ \textbf{1}, \textbf{0} 7 \textbf{F} & 00 & 2.921 \textbf{F}-\textbf{0} & 2.348 \textbf{F}-\textbf{0} & 2.5188 \textbf{F}-\textbf{0} & 2.5188 \textbf{F}-\textbf{0} & 8.600 \textbf{F} & 00 & -2.5588 \textbf{F}-\textbf{0} & 4.3308 \textbf{F} & 0.3138 \textbf{F} & 0.0 & 3.0138 \textbf{F} & 0.0 & 4.3248 \textbf{F}-\textbf{0} \\ \textbf{1}, \textbf{0} 7 \textbf{F} & 00 & 2.921 \textbf{F}-\textbf{0} & 2.348 \textbf{F}-\textbf{0} & 3.500 \textbf{F} & 00 & -1.0308 \textbf{F} & 0.0 & -5.5188 \textbf{F}-\textbf{0} \\ \textbf{1}, \textbf{0} 7 \textbf{F} & 0 & 2.5588 \textbf{F}-\textbf{0} & 1.5788 \textbf{F} & 0 & 1.8788 \textbf{F} & 0.0 & 1.6518 \textbf{F}-\textbf{0} & 4.3248 \textbf{F}-\textbf{0} \\ \textbf{1}, \textbf{0} 7 \textbf{F} & 0 & 2.348 \textbf{F}-\textbf{0} & 3.500 \textbf{F} & 00 & -1.0788 \textbf{F} & 0.0 & -1.0308 \textbf{F} & 0.0 & -1.030$	8.500E-01	2.901E-01	2.846E-02	2.875E 00	5.308E-02	6.327E-03	7.450E 00	7.716 E-04	1.147E-03
8: 900E-01 2: 558E-01 2: 754E-02 2: 975E 00 4: 330E-02 5: 558E-03 7: 6560E 00 1: 142E-03 9: 402E-04 9: 125E-01 2: 556E-01 2: 787E-02 3: 030E 00 3: 775E-02 5: 6732E-03 7: 900E 00 5: 449E-04 8: 248E-04 9: 625E-01 2: 932E-01 2: 932E-01 2: 932E-01 2: 932E-02 3: 102E 00 1: 846E-02 6: 320E-03 8: 104E 00 -9: 053E+05 -7: 138E-04 9: 625E-01 2: 932E-01 2: 691E-02 3: 210E 00 1: 248E-02 6: 320E-03 8: 104E 00 -9: 053E+05 -5: 902E-04 1: 012E 00 3: 210E-01 2: 691E-02 3: 270E 00 1: 468E-02 5: 967E+03 8: 340E 00 3: 031E-04 5: 75: 902E-05 -5: 902E-04 1: 037E 00 2: 291E-01 2: 581E+02 3: 330E 00 1: 053E+02 5: 531E+03 8: 500E 00 4: 220E+04 5: 541E+04 1: 063E 00 2: 975E+01 2: 328E+02 3: 330E 00 2: 164E+02 5: 531E+03 8: 500E 00 4: 824E-04 1: 063E 00 2: 975E+01 2: 328E+02 3: 530E 00 2: 164E+03 8: 700E 0 4: 326E+04	E.70CE-C1	2.6972-01	2.758E-02	2.9251 00	4.866E-02	6.005E-03	7.550E 00	8. 137E-04	1.017E-03
3.122-01 2.564-01 2.544-02 3.0302-00 2.9472-03 7.172-03 7.172-03 7.172-03 7.172-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 8.0742-03 <	8.900E-01	2.5568-01	2.7541-02	2.9758 00	4.3302-02	5.0302-03	7.0002 00	1. 1425-03	9,4022-04
3.3.3.2.01 2.3.312.01 2.3.312.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.3.012.01 2.4.012.01 2.4.012.01 2.4.012.01 2.4.012.01 2.4.012.01 2.4.012.01 2.4.012.01 2.5.012.03 8.3002.00 3.0132.04 5.7.022.04 4.5.002.00 4.3.012.01 4.3.012.00 4.3.012.01 5.002.00 4.3.012.01 4.3.012.00 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.00 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01 4.3.012.01	9.1258-01	2.4/61-01	2.0245-02	3,0308,00	2 949F-02	5 4738-03	7.780E 00	5 4498-04	8.0/45-04
5. 2757-01 3. 280 p-01 2. 796 p-02 3. 210 p-00 1. 248 p-02 6. 367 p-03 8. 140 p-01 -5. 220 p-04 -6. 36 p-04 1.012 p-01 3. 210 p-01 2. 691 p-02 3. 270 p-01 1. 468 p-02 5. 987 p-03 8. 260 p-02 -9. 295 p-05 -5. 902 p-04 1.037 p-03 0. 221 p-01 2. 563 p-02 3. 330 p 00 1.953 p-02 5. 67 p-03 8. 360 p-02 3. 380 p-04 5. 590 p-03 8. 360 p-02 3. 300 p-04 5. 590 p-03 8. 500 p-04 4. 220 p-04 5. 518 p-07 4. 558 p-01 2. 408 p-02 3. 350 p 02 1. 108 p-02 5. 325 p-03 8. 500 p-00 -4. 258 p-07 -4. 186 p-04 1. 112 p-02 5. 524 p-03 8. 700 p-0 -4. 258 p-01 2. 38 p-02 3. 510 p-01 1. 497 p-02 5. 224 p-03 8. 700 p-0 -4. 258 p-01 2. 458 p-04 3. 510 p-02 3. 510 p-02 5. 544 p-03 8. 700 p-0 -4. 368 p-04 -5. 558 p-01 2. 458 p-01 2. 458 p-04 2. 458 p-04 2. 458 p-04 2. 458 p-04 2.	9-6258-01	2.9328-01	2.806E-02	3.150E 00	1.846E-C2	6.320E-03	8.020E 00	-9.053E-05	-7.134E-04
1.012E 00 3.210E 01 3.468E 02 5.587E 03 8.260E 00 -9.295E 05 -5.902E 04 1.037E 00 3.022E 1 2.588E 02 3.330E 00 1.953E 02 5.675E 03 8.380E 00 3.032E 04 5.796E 04 4.202E 04 4.302E 04 -4.592E 04 1.202E 02 2.256E 01 </td <td>9.875E~C1</td> <td>3.280 E-01</td> <td>2.7962-02</td> <td>3. 210E 00</td> <td>1.248E-02</td> <td>6.367E-03</td> <td>8. 140E 00</td> <td>- 3. 220 E-04</td> <td>-6.4618-04</td>	9.875E~C1	3.280 E-01	2.7962-02	3. 210E 00	1.248E-02	6.367E-03	8. 140E 00	- 3. 220 E-04	-6.4618-04
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.012E 00	3.21CE-01	2.691E-02	3,270E 00	1.4682-02	5.9871-03	8.2602 00	-9.295E-05	-5.9028-04
1.063E 00 2.975E-01 2.512E-02 3.390E 00 2.164E-02 5.513E-03 8.500E 00 4.220E-04 5.51E-04 1.063E 00 2.975E-01 2.487E-02 3.455E 00 2.101E-02 5.325E-03 8.620E 00 1.820E-04 4.324E-04 1.112F CC 2.759E-01 2.328E-02 3.510F 00 1.974E-02 5.224E-03 8.620E 00 -2.554E-07 -4.186E-04 1.137E 00 2.556E-C1 2.117E-02 3.630E 00 1.717E-02 5.644F-03 8.660E 00 -1.078E-04 -4.522E-04 1.162E 02 2.328E-01 2.311E-02 3.690E 00 1.635E-02 7.582E-03 9.100F 00 1.651E-04 4.365E-04 1.237E CC 2.455E-01 2.361E-02 3.670E 00 1.621E-02 5.373E-03 9.100F 00 2.560E-04 4.170E-04 1.237E CC 2.455E-01 2.561E-02 3.670E 00 1.621E-02 5.373E-03 9.100F 00 2.560E-04 4.170E-04 4.202E-0	1.037F 00	3.0221-01	2.583E-02	3.330E 00	1.953E-02	5.675E-03	8.3808 00	3.013E-04	5.796 E-04
1.087E 00 2.921E-01 2.487E-02 3.43CE 00 2.101E-02 5.325E-03 8.620E 00 1.807E-04 4.324E-04 1.112F 00 2.556E-C1 2.177E-02 3.510F 00 1.974E-02 5.244E-03 8.700F 00 -2.554E+07 -4.186E-04 1.137E 00 2.556E-C1 2.177E-02 3.570F 00 1.842E-02 5.644E-03 8.660E 00 -1.078E-04 -4.592E-04 1.162E 00 2.402E+01 2.155E-02 3.630E 00 1.717E-02 6.9532-03 8.980E 00 -1.030E-04 -4.812E-04 1.180E 00 2.328E-01 2.311F-02 3.650E 00 1.632E-02 5.64470E-03 9.100F 00 1.635E-04 4.835E-04 1.237E 00 2.372E-01 2.550E-02 3.750E 00 1.632E-02 6.470E-03 9.200F 00 2.566E-04 4.170E-04 1.262F 00 2.434E-01 2.561E-02 3.670E 00 9.905E-03 5.154E-03 9.200F 00 2.403E-04 5.208E-04 5.145E-04 1.262F 00 2.434E-01 2.561E-02 3.970E 00 9.470E 00 2.403E-04 5.208E-04 4.920E-04 1.365E 00 2.434E-01 2.564	1.063E 00	2.975E-01	2.5121-02	3.390E 00	2.164E-02	5.513E-03	8.500E 00	4.220E-04	5.5818-04
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.087E 00	2.921E-01	2.4872-02	3.45CE 00	2.101E-02	5.325E-03	8.620E 00	1.807E-04	4.324 E-04
1. 167E 00 2.55E-11 2.1772-02 3.530E 00 1.0422-02 3.6444-03 6.600E 00 -1.030E-04 -4.3522-04 1. 162E 00 2.328E-01 2.311E-02 3.630E 00 1.717E-02 6.9532-03 9.900E 00 -1.630E-04 -4.8122-04 1.212E 00 2.328E-01 2.350E-02 3.750E 00 1.613E-02 7.582E-03 9.100F 00 1.651E-04 4.365E-04 1.212E 00 2.355E-01 2.860E-02 3.610E 00 1.613E-02 6.474E-03 9.220E 00 2.560E-04 4.170E-04 1.237E 00 2.438E-01 2.866E-02 3.610E 00 1.421E-02 5.373E-03 9.340E 00 2.560E-04 4.170E-04 1.262F 00 2.438E-01 2.561E-02 3.610E 00 1.421E-02 5.373E-03 9.400E 00 2.560E-04 5.2982-04 5.2982-03 9.470E 00 2.403E-04 4.920E-04 4.920E-04 4.462E-04 4.462E-04 4.462E-04 4.462E-04 4.462E-04 4.462E-04 4.462	1.112E CC	2.7598-01	2.328E-02	3.510E 00	1.9/48-02	5.2246-03	8.740E 00 8.60E 00	-2.554E-07	-4.186E-04
1. 162E 00 2.402F-01 2.102F-02 3.630E 00 1.77E-02 0.932F-03 0.760E 00 1.030E-04 4.672F-04 1. 162E 00 2.328F-01 2.3172F-01 2.350E 00 1.632F-02 7.582E-03 9.100F 00 1.651E-04 4.365E-04 1.212E 00 2.372E-01 2.550E-02 3.750E 00 1.613E-02 6.474E-03 9.200F 00 2.560E-04 4.170E-04 1.262F 00 2.435E-01 2.561E-02 3.610F 00 1.421E-02 5.373E-03 9.300F 00 2.560E-04 5.145E-04 1.262F 00 2.434E-01 2.561E-02 3.610F 00 9.905E-03 5.154F-03 9.470F 00 2.403E-04 5.208F-04 1.262F 00 2.348F-01 2.564E-02 3.930E 00 5.123E-03 9.610E 00 2.403E-04 5.208F-04 1.315E 00 2.091F-01 2.342F-02 4.050E 00 1.750E-03 4.67E-03 9.610E 00 2.468E-04 4.462E-04 1.35E	1.137E 00	2.5568-01	2.1//E-02	3.5702 00	1.8422-02	5.6441-03	8.8002 UU	-1.0785-04	-4.8128-04
1.2122 00 2.372E-01 2.550E-02 3.750E 00 1.613E-02 6.474E-03 9.220E 00 2.560E-04 4.170E-04 1.212E 00 2.372E-01 2.465E-02 3.750E 00 1.613E-02 6.474E-03 9.220E 00 2.560E-04 4.170E-04 1.237E 00 2.455E-01 2.466E-02 3.870E 00 9.905E-03 5.154E-03 9.440E 00 2.566E-04 5.145E-04 1.267E 00 2.348E-01 2.564E-02 3.870E 00 9.905E-03 5.154E-03 9.470E 00 2.4438E-04 5.289E-04 4.120E-04 1.367E 00 2.348E-01 2.564E-02 3.930E 00 5.123E-03 9.610E 00 2.4038E-04 4.920E-04 1.355E 00 2.091E-01 2.312E-02 4.050E 00 1.750E-03 4.667E-03 9.890E 00 2.449E-04 3.854E-04 1.355E 00 2.091E-01 2.312E-02 4.100E 00 1.538E-03 4.667E-03 9.890E 00 2.449E-04 3.854E-04 1.405E 00 2.051E-02 4.110E 00 1.636E-03 4.492E-03 1.003E 01 2.564E-04 3.147E-04 1.405E 00 2.062E-01 1.956E-02 4.380E-03 </td <td>1 1987 00</td> <td>2 3288-01</td> <td>2.311F-02</td> <td>3.690F 00</td> <td>1.6358-02</td> <td>7.5828-03</td> <td>9.1005 00</td> <td>1.6518-04</td> <td>4 3658-04</td>	1 1987 00	2 3288-01	2.311F-02	3.690F 00	1.6358-02	7.5828-03	9.1005 00	1.6518-04	4 3658-04
1.237E CC 2.455E-01 2.486E-02 3.810E 00 1.421E-02 5.373E-03 9.340E 00 2.586E-04 5.145E-04 1.262F 00 2.433E-01 2.561E-02 3.810E 00 1.421E-02 5.373E-03 9.340E 00 2.983E-04 5.289E-04 5.289E-04 1.262F 00 2.433E-01 2.561E-02 3.810E 00 5.123E-03 5.154E-03 9.470E 00 2.983E-04 5.289E-04 5.289E-04 5.289E-04 5.289E-04 4.920E-04 1.315E 00 2.240F-01 2.461E-02 3.990E 00 2.446E-03 4.759E-03 9.610E 00 2.488E-04 4.920E-04 4.966E-04 4.466E-04 1.315E 00 2.091F-01 2.312E-02 4.050E 00 1.750E-03 9.690F 00 2.489E-04 3.846E-04 4.466E-04 1.315E 01 2.091F-01 2.312E-02 4.050E 00 1.750E-03 9.890F 00 2.489E-04 3.84E-04 1.315E 01 2.0179E-01 2.132E-02 4.100E 01 1	1.2128 00	2. 3728-01	2.550 2-02	3.75CR 00	1.6738-02	6.474E-03	9.2201 00	2.560 E-04	4.170E-04
1.262F 00 2.434F-01 2.561E-02 3.870F 00 9.905E-03 5.154F-03 9.470F 00 2.943E-04 5.289E-04 1.267F 00 2.34EF-01 2.564E-02 3.930E 00 5.123E-03 5.083E-03 9.610E 00 2.403E-04 4.920E-04 1.315E 00 2.240F-01 2.456E-02 3.930E 00 2.446E-03 9.610E 00 2.403E-04 4.920E-04 1.315E 00 2.091F-01 2.312F-02 4.050E 00 1.467E-03 9.890F 00 2.446E-04 4.466E-04 4.466E-04 1.355E 00 2.091F-01 2.312F-02 4.050E 00 1.636E-03 9.890F 00 2.446E-04 3.846E-04 1.375E 00 2.052F-03 4.667E-03 9.890F 00 2.468E-04 3.8446E-04 1.405E 00 2.052F-03 4.380E-03 1.003E 1.256E-04 4.17E-04 1.405E 00 2.062F-01 1.956F-02 4.24	1.237E CC	2.4558-01	2.486E-02	3.810E 00	1.421E-02	5.373E-03	9.340E 00	2. 586 E-04	5.145E-04
1.287E 00 2.348E-01 2.564E-02 3.930E 00 5.123E-03 9.610E 00 2.403E-04 4.920E-04 1.315E 00 2.240F-01 2.461E-02 3.990E 00 2.446E-03 9.750E 00 2.166E-04 4.462E-04 1.355E 00 2.091E-01 2.312E-02 4.050E 00 1.750E-03 9.670E 00 2.468E-04 4.468E-04 1.355E 00 2.091E-01 2.312E-02 4.050E 00 1.750E-03 4.667E-03 9.890E 00 2.468E-04 3.854E-04 1.375E 0C 1.979E-01 2.143E-02 4.110E 00 1.636E-03 4.492E-03 1.003E 01 2.564E-04 3.147E-04 1.405E 0C 2.062E-01 1.956E-02 4.171E-04 1.58E-03 4.380E-03 1.017E 1.2267E-04 4.171E-04 1.405E 0C 2.062E-01 1.956E-02 4.240E 00 9.502E-04 4.380E-03 1.031E 01 2.287E-04 5.027E-04 1.405E 0C 2.048E-02 4.320E 00	1.262F 00	2.4348-01	2.561E-02	3.870E 00	9.905E-03	5.154E-03	9.4702 00	2.943E-04	5.289E-04
1.315E 00 2.2401E-01 2.461E-02 3.990E 00 2.446E-03 4.759E-03 9.750E 00 2.186E-04 4.466E-04 1.365E 00 2.091E-01 2.312E-02 4.050E 00 1.750E-03 4.667E-03 9.890E 00 2.489E-04 3.854E-04 1.375E 0C 1.979E-01 2.143E-02 4.100E 1.635E-03 4.492E-03 1.003E 01 2.564E-04 3.854E-04 1.405E 0C 2.0C1E-01 1.926E-02 4.170E 00 1.558E-03 4.380E-03 1.017E 01 2.265E-04 4.171E-04 1.435E 0C 2.062E-01 1.954E-02 4.240E 00 9.502E-04 4.336E-03 1.031E 01 2.267E-04 5.071E-04 1.465E 0C 2.081E-01 1.954E-02 4.320E 01 2.267E-03 1.031E 01 2.287E-04 5.071E-04 1.465E 0C 2.018E-01 1.954E-02 4.320E 1.224E-03 1.031E 01 <t< td=""><td>1.287E 00</td><td>2.3481-01</td><td>2.564E-02</td><td>3.930E 00</td><td>5.123E-03</td><td>5.C832-03</td><td>9.610E 00</td><td>2.403E-04</td><td>4.920<i>B-</i>04</td></t<>	1.287E 00	2.3481-01	2.564E-02	3.930E 00	5.123E-03	5.C832-03	9.610E 00	2.403E-04	4.920 <i>B-</i> 04
1.365E 00 2.091E-01 2.312E-02 4.050E 00 1.750E-03 4.667E-03 9.890E 00 2.489E-04 3.854E-04 1.375E 0C 1.979E-01 2.143E-02 4.110E 00 1.635E-03 4.492E-03 1.031E 01 2.564E-04 3.147E-04 1.405E 0C 2.001E-01 1.926E-02 4.170E 00 1.558E-03 4.380E-03 1.017E 01 2.265E-04 4.171E-04 1.435E 0C 2.001E-01 1.956E-02 4.240E 00 9.502E-04 4.336E-03 1.031E 01 2.267E-04 5.027E-04 1.465E 0C 2.018E-01 1.956E-02 4.240E 00 9.502E-04 4.336E-03 1.031E 01 2.267E-04 5.027E-04 1.465E 0C 2.018E-01 1.956E-02 4.320E 00 1.224E-03 1.031E 01 2.287E-04 5.027E-04	1.315E 00	2.240 E-01	2.461E-02	3.990E 00	2.446E-03	4.759E-03	9.750E CO	2.186E-04	4.466B-04
1.375E CC 1.979E-01 2.143E-02 4.110E 00 1.556E-03 4.492E-03 1.003E 01 2.564E-04 3.147E-04 1.405E 00 2.001E-01 1.926E-02 4.170E 00 1.558E-03 4.380E-03 1.017E 01 2.265E-04 4.171E-04 1.435E 00 2.062E-01 1.954E-02 4.240E 00 9.502E-04 4.336E-03 1.031E 01 2.287E-04 5.027E-04 1.465E 00 2.018E-01 1.956E-02 4.320E 00 1.224E-03 4.361E-03 1.045E 01 2.782E-04 5.716E-04	1.345E 00	2.0912-01	2.312E-02	4.050E 00	1.750E-03	4.667E-03	9.890E 00	2.489E-04	3.854 E-04
1.405E 00 2.001E-01 1.950E-02 4.1/0E 00 9.502E-04 4.30E-03 1.01/E 01 2.205E-04 4.1/1E-04 1.435E 00 2.062E-01 1.954E-02 4.240E 00 9.502E-04 4.336E-03 1.031E 01 2.207E-04 5.027E-04 1.465E 00 2.018E-01 1.950E-02 4.320E 00 1.224E-03 4.361E-03 1.045E 01 2.702E-04 5.07E-04	1.375E CC	1.9792-01	2.143E-02 1.026E-02	4.110E 00 4.170E 00	1.6368-03	4.4928-03	1.0038.01	2.5045~04	3.14/B-04
1.4578 00 2.018F-01 1.965F 02 4.3208 00 1.2245-03 4.3618-03 1.045F 01 2.782F-04 5.716F-04	1.405E 00 1.425E 00	2.0018-01	1.9205-02	4.1702.00	1.000E-03	4. 336F-03	1.0318 01	2.2035~04	5 0278-04
	1 4558 00	2 0187-01	1.9607-02	4. 320R 00	1.2248-03	4. 3618-03	1.0457 01	2.7828-04	5.7168-04
1.495E 00 1.948E-01 1.984E-02 4.400E 00 2.884E-03 4.427E-03 1.059E 01 3.344E-04 5.742E-04	1.495E 00	1.948E-01	1.984E-02	4.400E 00	2.884E-03	4.427E-03	1.059E 01	3. 344E-04	5.742E-04
1.52 5F 0C 1.9942-01 2.016E-02 4.4802 00 4.122E-03 4.129E-03	1.525F 0C	1.9942-01	2.016E-02	4.4802 00	4.122E-03	4.1298-03			

PHOTON ENERG	Y INTERVAL	X-SECTION	ERROB
(ME	V)	(E/SR)	(B/SR)
$\begin{array}{c} \text{(HZ)}\\ 3.000E-01 & - \\ 4.000E-01 & - \\ 5.000E-01 & - \\ 6.000E-01 & - \\ 7.000E-01 & - \\ 1.000E & 00 & - \\ 1.200E & 00 & - \\ 1.200E & 00 & - \\ 1.400E & 00 & - \\ 1.600E & 00 & - \\ 2.500E & 00 & - \\ 3.500E & 00 & - \\ 3.500E & 00 & - \\ 3.500E & 00 & - \\ 4.000E & 00 & - \\ 5.000E & 00 & - \\ 5.00E & 0$	y) 4.000E-01 5.000E-01 7.000E-01 7.000E-01 1.200E 00 1.200E 00 1.400E 00 1.600E 00 2.000E 00 3.000E 00 3.500E 00 3.500E 00 4.500E 00 6.000E 00	(E/SR) 4.865E-02 3.677E-02 4.569E-02 3.569E-02 5.594E-02 5.594E-02 4.496E-02 4.496E-02 4.496E-02 4.496E-02 4.125E-02 3.816E-02 3.816E-02 3.816E-02 3.892E-02 3.9904E-04 3.031E-03 3.904E-04 3.031E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.032E-03 3.	(\$/\$R) 8.254 E-03 2.360E-03 4.695E-03 3.486E-03 5.700E-03 4.206E-03 3.314E-03 3.314E-03 3.314E-03 3.314E-03 3.314E-03 2.642E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.937E-03 2.
7.00CE 00 ~	8.000E 00	1.003E-03	1.099E-03
8.00CE 00 ~	9.000E 00	2.601E-05	1.578E-04
9.000E 00 ~	1.000E 01	2.300E-04	4.240E-04

DIFFERENTIAL CROSS SECTIONS FOR GAMMA RAY PRODUCTION IN TH. THE FIRST SET OF NUMBERS IS THE DOUBLY DIFFERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GAMMA RAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GAMMA RAY ENERGY INTERVALS. THIS SECOND SET RESULTS FROM INTEGRATION OF THE DOUBLY DIFFERENTIAL CATA. THE UNCERTAINTIES ARE GIVEN IN THE SAME UNITS AS THE DATA AND DO NOT INCLUDE AN ESTI-MATED 10 PERCENT ERROR IN ARSOLUTE NORMALIZATION.

INCIDENT NEUTRON ENERGY = 14.00 TO 17.02 MEV. ANGLE = 125 DEGREES.

PEOTON ENERGY (NEV)	X-SECTION (B/SE/MEV)	ERROR (B/SR/MEV)	PHOTON ENERGY (MEV)	X-SECTION (E/SR/MEV)	EBBOR (B/SR/MEV)	PHOTON ENERGY (KEV)	X-SECTION (B/SB/MEV)	ERROR (b/sr/mev)
3.0752-01	9.623E-01	1.230E-01	1.555E 00	1.472E-01	2.306E-02	4.560E 00	2.771E-03	4.896E-03
3.225F-01	7.4E9E-01	1.1122-01	1.585 E 00	1.408E-01	2.295E-02	4.640E 00	6.773E-04	4.237E-03
3.375E-01	6.152E-01	1.067E-01	1.615E 00	1.4192-01	2.213E-02	4.720E 00	1.970E-04	4.392E-03
3.525E-01	5.783E-01	1.016E-01	1-645E 00	1.453E-01	2.100E-02	4.800E 00	4.571E-04	4-323E-03
3.675E-01	5.439E-01	1.012F-01	1.680E 00	1.440E-01	2.067E-02	4-880E 00	6.763E-04	4.447E-03
3.8252-01	0.8452-01 2.8568-01	1.038E-01	1.7201 00	1.4398-01	2.133E-02	4.9601 00 5 0407 00	4.0008-04	4.00/8-03
3.5/32-01	3 2085-01	1.1628-01	1 800 - 00	1.5568-01	1.893#-02	5.1208 00	-7.1718-05	-4.2528-03
4.1222-01	3.1585-01	1. 2018-01	1_840F 00	1.550 -01	1.8738-02	5-2005 00	-3.7968-04	-4-2608-03
4 4258-01	3. 567 1-01	1.2261-01	1.880E 00	1.567E-01	1.818E-02	5.2801 00	-1.166E-03	-4-393E-03
4.5751-01	4.023E-01	1.204E-01	1.920E 00	1.5552-01	1.728E-02	5.360E 00	-7.501E-04	-4.388E~03
4.725E-01	4.E70E-C1	1.102E-01	1.960E 00	1.514E-01	1.68CE-02	5.440E 00	6.750E-04	4.378E-03
4.875E-01	E.285E-01	9.893E-02	2.000E 00	1.455E-01	1.6392-02	5.520E 00	2.566E-03	4.520E-03
5.025E-01	7.7581-01	8-9111-02	2.040E 00	1.370E-01	1.715E-02	5.600E 00	3.357E-03	4.569E-03
5.175E-01	8.591E-01	8.393E-02	2.C80E 00	1.306E-01	1.785E-02	5-680E 00	2.705E-03	4.694E-03
5.325E-C1	8.367E-01	7.510E-02	2.120E 00	1.314E-01	1.697E-02	5.760E 00	2.090E-03	4.672E-03
5.4758-01	7.277E-01	6.645E-02	2.1602.00	1.2911-01	1.5861-02	5-8508 00	1.904E-03	4.2898-03
5.6258-01	2.2442-01	6 1715-02	2.2008 00	9 1208-02	1 5108-02	5 050 00	3 8308-03	4.3112-03
5.7758-01	2 7651-01	6.60012-02	2.2401 00	7 RA9F-02	1 4938-02	6.150F 00	4 358F-03	4,4532-03
6.100E+01	3.4818-01	7. 107E-02	2. 370F 00	7.444E~ 02	1.434E-02	6.250E 00	3.623E-03	4.2148-03
6.300E-01	4.637E-01	7.186E-02	2.360E 00	7.3201-02	1, 31 35-02	6.350E 00	2.202E-03	4.0712-03
6.500E-01	5.69CE-01	6.320E-02	2.400E 00	6.748E-02	1,218E-02	6.450E 00	1,100E-03	3.887E-03
6.700E-01	5.435E-01	5.932E-02	2.440E 00	5.659E~02	1.217E-02	6.550E 00	1.575E-03	3.836E-03
6.9002-01	4.917E-01	5.540 E-02	2.480E 00	4.457E- C2	1.235E-02	6.65QE 00	3. 185E-03	3.611E-03
7.100E-C1	4.8252-01	4.943E-02	2.525E 00	3.630E-02	1.365E-02	6.750E 00	4.265E-03	3.407E-03
7.300E-01	4.727E-01	4.801E-02	2.575E 00	3.764E~02	1.515E-02	6.8502 00	3.975E-03	3.150E-03
7.500E-01	4.6012-01	4.6846-02	2.6258.00	4.9461-02	1.4988-02	0.950E 00	2.902E-03	2.8848-03
7.700E-01	4.0101-01	4.0021-02	2.0/38 00	6 9678-02	1 0688-02	7 150 8 00	1.0938-03	2.33355-03
8.100P-01	4.3368-01	4. 1898-02	2.7751 00	6.257E-02	9.0988-03	7-250F 00	1. 2248-03	2.2418-03
8.300R-01	4. CC6E-01	4-0568-02	2.825F 00	5.208E-02	8.150E-03	7.350E 00	1.643E-03	2.137E-03
8.5007-01	3.6105-01	3.901E-02	2.875E 00	4.477E-02	7.692E-03	7.450E 00	1.645E-03	1.937E-03
8.700E-01	3. 145E-01	3.697E-02	2. 925E 00	4.028E-02	7.800E-03	7.550E 00	1.222E-03	1.600E-03
8.900E-01	2.628E-01	3.609E-02	2.975E 00	3.702E-02	7.536E-03	7.660F 00	5.660E-04	1.450E-03
9.12 5E-C1	2.301E-01	3.644E-02	3.030E 00	3.3692-02	7.431E-03	7.780E 00	-3.119E-04	-1.346E-03
9.375E-C1	2.576E-C1	3.6996-02	3.090E 00	2.931E-02	7.73CE-03	7.900E 00	-5.153E-04	-1.368E-03
9.625E-01	3.244E-01	3.6512-02	3.150E 00	2.478E-02	8.306E-03	8.0202 00	-4.099E-04	-1.227E-03
9.875E-01	3.8381-01	3.500E-02	3.210E 00	2.4138-02	8.599E-03 8.34Em-03	8.140E 00	~1.191E-04	-1.043E-03
1.0128 00	4. 14 12-01	3.4925-02	3.27CE 00	2.5945-02	7.64.08-03	8 3807 00	5.774F-04	8 6428-04
1 06 37 00	3 7168-01	3.0426-02	3 3907 00	2.198F-02	7.5678-03	8-500E 00	4. 8898-04	8-200E-04
1 0878 00	3. 3127-01	3.0318-02	3.4501 00	1.900E-02	7.0828-03	8.620E 00	2.288E-04	6.712E-04
1.112E 00	2.9171-01	2.7102-02	3.510E 00	1.5542-02	6.806E-03	8.740E 00	1.554E-05	5.8268-04
1.137E 00	2.488E-01	2.585E-02	3.570E 00	9.2258-03	7.423E-03	8.860F 00	2. 106 E-05	5.348E-04
1.162E CC	2.1912-01	2.603E-02	3.630E 00	2.333E-03	9.1402-03	8.980E 00	1.536E-04	5.074E-04
1.188E CO	2.C52E-C1	2.767E-02	3.690E 00	-3.1382-04	-1.0438-02	9.100E 00	9.558E-05	4.7718-04
1.212E 00	2.034E-01	2.901E-02	3.750E 00	1.287E-03	9-1301-03	9.2208 00	1.100E-04	5.2558-04
1.237E 00	2.0771-01	2.7798-02	3.810E 00	4.5848-03	7.255E-03	9.3401 00	1.7938-05	4.9728-04
1.262E 00	2.096 2-01	2.7942-02	3.8/UF 00	1.0U3E-03	0./905-03	9.4702 00	*- 9402-03 7 5988-04	5 0518-04
1.287E CC	2.0521-01	2.8236-02	3.93UE UU 7 0007 00	7.3735-03	6.4748-03	9.7507 00	1.9968-04	1 6842-04
1.3138 UU 1 7458 00	1.8827-01	2.6488=02	4.050E 00	1.216E-0?	6.180E-03	9.8902 00	1.8392-04	4.0928-04
1.3758 00	1-9207-01	2.4451-07	4.1102 00	1.1825-02	5.7802-03	1.0038 01	2.055E-04	3.810E-04
1.405E 00	1.901E-01	2.4632-02	4,170E 00	9.365E-03	5.700E-03	1.017E 01	9.438E-05	4_914E-04
1.435E CC	1.800E-01	2.624E-02	4, 240E 00	6.349E-03	5.563E-03	1_031E 01	5.5572-05	5.805g-04
1.465E OC	1.748E-C1	2-486E-02	4.320E 00	5.426E-03	5.511E-03	1.045E 01	1. 155E-04	6.443E-04
1.495F 00	1.7091-01	2.352E-02	4.400E 00	6.242E-03	5.795E-03	1.0598 01	3.301E-04	5-188B-04
1.525E 00	1.6112-01	2.314E-02	4.480E 00	5.590E-03	5.620E-03			

PHOTON ENE FGY INTERVAL	X-SECTION	ERROR
(MEV)	(B/SR)	(B/SR)
	• • • •	• • •
3.000E-01 - 4.000E-01	6. 312E-02	1.078E-02
4.000E-01 - 5.000E-01	4.324E-02	1.1338-02
5.000E-01 - 6.000E-01	6.593E-02	7.096E-03
6-000E-01 - 7.000E-01	4.855E-02	6.409E-03
7.000E-01 - 8.000E-01	4.665E-02	4.7072-03
8.000F-01 - 1.000F 00	6.540E-02	7-515E-03
1.0000 00 - 1.2000 00	6-218E-02	5.7618-03
1 2008 00 - 1 4008 00	3 9815-02	5.4378-03
1 400F 00 - 1 600F 00	3 3025-02	4.8118-03
1 600 00 - 1 900 00	2 9208-02	4 1358-03
1.6002 00 - 1.8002 00	2. 7 30 2 - 0 2	3 5478-03
1.800E 00 - 2.000E 00	3.079E-02	3.3474-03
2.000E 00 - 2.500E 00	4.793E-02	7.436E-03
2.500E 00 - 3.000E 00	2.472E-02	5.395E-03
3.000F 00 ~ 3.500E 00	1.258E-02	3.895E-03
3.5002 00 - 4.0002 00	3.072E-03	2.691E-03
4.000E 00 - 4.500E 00	4.017E-03	2.875E-03
4.500E 00 - 5.000E 00	5.113E-04	2.258E-03
5.0000 = 6.0000 = 00	1 2148-03	1.6138-03
	3 0008-03	3 700 -03
6.000E 00 - 7.000E 00	3.0902-03	3.7995-03
J.000E 00 - 8.000E 00	8.0/11-04	1.059E-03
8.000E 00 ~ 9.000E 00	1.607E-04	3.354E-04
9,000E 00 ~ 1,000E 01	1.450E-04	4.816E-04

DIPPERENTIAL CROSS SECTIONS FOR GAMMA RAY PRODUCTION IN TH. THE FIRST SET CF NUMBRES IS THE DOUPLY DIPPERENTIAL CROSS SECTION, WHILE THE SECOND SET IS THE GAMMA RAY PRODUCTION CROSS SECTION FOR THE DESIGNATED GAMMA RAY ENERGY INTERVALS. THIS SECOND SET RESULTS FROM INTEGRATION OF THE DOUBLY DIPPERENTIAL DATA. THE UNCERTAINTIES ARE GIVEN IN THE SAME UNITS AS THE DATA AND DO NOT INCLUDE AN ESTI-MATED 10 PERCENT ERPOR IN ABSCLUTE NORMALIZATION.

INCIDENT NEUTRON ENERGY = 17.02 TO 20.04 MEV. ANGLE = 125 DEGREES.

PRCTCN ENERGY (NEV) v	X-SECTION (E/SE/REV)	ERROR (E/SB/MEV)	PHOTCN ENERGY (MEV)	X-SECTION (B/SR/MEV)	ERROR (B/SR/MEV)	PHOTON BNERGY (MEV)	X-SECTION (B/SR/MEV)	ERROR (B/SR/NEV)
3.075E-01	1.384E 00	2.0638-01	1.555 E 00	1.9912-01	3.325E-02	4.560E 00	5.5658-03	6.476E-03
3.2258-01	1.173E 00	1.864E-01	1.585 E 00	1.771E-01	3.372E-02	4.640F 00	3.560E-03	5.631E-03
3.375E-01	1.170F 00	1.6782-01	1.615E 00	1.566E-01	3.2628-02	4.720E Q0	2.159E-03	5-424E-03
3. 52 5E-01	1.106E 00	1.617E-01	1.645E 00	1.438E-01	3.268E-02	4.800E 00	1.212E-04	5-6222-03
3.675E-01	9.C55E-C1	1.5678-01	1.680E 00	1.3692-01	3.442E-02	4.880E 00	-2.1088-03	-6.174E-03
3.825E-01	7.977E-01	1.604E-01	1.720E 00	1.346E-01	3.453E-02	4.960E 00	-3.135E-03	-6.124E-03
3.975E-01	7.150E-01	1.639E-01	1.760E 00	1.411E-01	3.247E-02	5.040E 00	-2.3762-03	-6.280E-03
4.1258-01	5.7011-01	1.7552-01	1.8002 00	1.579E-01	2.9298-02	5.120E 00	-8.0668-04	-5.666 E-03
4.2752-01	4.0092-01	1.0001-01	1 880 8 00	1 6038-01	2.1056-02	5.2002 00	7.8162-04	5-1112-03
4.4232-01	5 0605-01	1 7958-01	1 920 2 00	1 499 2-01	2.0301-02	5 3600 00	5.2085-03 6 5988-03	5-4/15-03
4.3758-01	7 7439-01	1.6335-01	1.9608.00	1. 3928-01	2.6075+02	5 4407 00	9 4867-03	5 7128-03
4.8755-01	9.936F-01	1.4875-01	2. CODE 00	1.2618-01	2.5968-02	5-5201 00	9-904 -03	5-711 -03
5.025E-01	1.220E 00	1,403E-01	2.0407 00	1.060E-01	2.664E-02	5.6002 00	7.6298-03	6.374E-03
5.175E-01	1.347E CC	1.277E-01	2.0802 00	9.096E-02	2.69CE-02	5.680E 00	3.842E-03	6.485E-03
5.325E-01	1.269E 00	1.142E-01	2.120E 00	9.528E-02	2.6362-02	5.760B 00	5.475B-05	6.168E-03
5.475E-01	1.038E 00	1.039E-01	2.160E 00	1.109E-01	2.534E-02	5.850F 00	-3.521E-03	~5.482E-03
5.625E-01	8.125E-01	9.4831-02	2.200E 00	1.1912-01	2.366E-02	5.950F 00	-4.221E-03	-4.843E-03
5.775E-C1	6.690E-01	9.475E-02	2. 24GE 00	1.1798-01	2.215E-02	6.050E 00	-2.084E-03	-5.342E-03
5.925E-01	5.98/8~01	1.0308-01	2.280E 00	1.18/2-01	2.1061-02	6.150E 00	1.983E-03	5.396E-03
6,100E-01	5.0115-01	1.0458-01	2.320E DU 2.360B 00	1.2352-01	2. (186-02	6 2505 00	D.07/E-03	4.9//8-03
6 500E-01	5.5245-01	9 9117-02	2.3002.00	1 0912-01	1 9108-02	6 4505 00	6 2212-03	4.137E-03
6.700E-01	5-4148-01	9.1278-02	2.4401 00	8.5882-02	1.7148-02	6-550F 00	3. 2035-03	4.142R-03
5.900E-01	5.57CE-01	8.153E-02	2.480E 00	6.268E-02	1.803E-02	6.650E 00	-5.427E-04	-4.022E-03
7. 100E-01	6.255E-01	7.4938-02	2.525E 00	4.295E-02	2.0812-02	6.750B 00	-3.199E-03	-3.6722-03
7,300E-01	6.039E-01	7.517E-02	2.575E 00	3.706E-02	2.332E-02	6.850E 00	-3.083E-03	-3,150E-03
7.500E-01	5.890E-01	7.945E-02	2. 625E 00	4.972E-02	2.3068-02	6.950E 00	-6.084E-04	-3.115E-03
7.7002-01	5.6902-01	7.420E-02	2.675E 00	6.880E-02	1.9598-02	7.050E 00	2.541E-03	3.158E-03
7.900E-01	5.161E-01	6.884E-02	2.725E 00	7.334E-02	1.5372-02	7.150E 00	4.269E-03	2.714E-03
8.100E-01	4.5338-01	6.846F-02	2.775E 00	6.187E-02	1.333E-02	7.2508 00	3.636E-03	2.4302-03
8,3008-01	3.9522-01	6.4831-02	2.8251 00	4.//92+02 2 0208-02	1.2998-02	7.3501 00	1.4088-03	2-1418-03
8 7005-01	2 9138-01	5 8838-02	2.9758 00	3 3548-02	1 1858-02	7 550 00	- 1. 3042-03	-1.9598-03
S 900F-01	2.5678-01	5.626E-02	2.9758.00	2.7418-02	1-1831-02	7-660E 00	-5.9608-04	-1 8742-03
9.1258-01	2.5781-01	5.6892-02	3.030E 00	1.7322-02	1.183E-02	7.7808 00	6.398E-04	1.6928-03
9.375E-01	3.091E-01	5.954E-02	3.090E 00	6.585E-03	1. 189E-02	7.900E 00	1.2248-03	1.434E-03
9.625E-01	4.141E-01	5.761E-02	3.15CE 00	2.732E-03	1.261E-02	8.020T 00	1.537E-03	1.431E~03
9.8752-01	5.099E-01	5.327E-02	3. 210E 00	3.781E-03	1.314E-02	8.140E 00	1.764E-03	1.391E-03
1.012F 00	5.346E-C1	4.935E-02	3.270E 00	3.703E-03	1.269E-02	8.260E 00	1.279E-03	1.307E-03
1.037E 00	5.0871-01	4.647E-02	3.330E DO	9.8352-04	1.189E-02	8.380E 00	5.028E-04	1.2968-03
1.063E 00	4.714E-01	4.4181-02	3.3908.00	-6.04/E-04	-1.140E-02	8.5001 00	-3.771E-04	-1.2628-03
1.0875 00	4.3152-01 7.7008-01	4.3305-02	3.45(2.00	9 7468-03	1.0668-02	8.020F 00	-9.908E-04	-1.13/E-03
1 122 00	3.7402-01	4.0()E=02	3.5702.00	2 5157-02	1 2655-02	8 9608 00	-1 5588-04	-1.1525-03
1 1628 00	2 5555-01	3.715E-02	3, 6308 00	7-9428-02	1.674P-02	6-980E 00	7.0922-04	1.1868-03
1. 1888 00	2.3921-01	3.9701-02	3.690E 00	4.4068-02	1.919E-02	9.100E 00	1.270E-03	1.0712-03
1.2128 00	2.4501-01	4.339E-02	3.750E 00	3.807E-02	1.601E-02	9.220E 00	1. 1222-03	9.056 E-04
1.2378 00	2.611E-01	4.212E-02	3.810E 00	2.8798-02	1.175E-02	9.340E 00	7.954E-04	9.2068-04
1.262E 00	2.€76E-01	4.000E-02	3.870E 00	1.9952-02	1.019E-02	9.470E 00	4.602E-04	8.051E-04
1.287E 00	2.5761-01	3.882E-02	3.930E 00	1.0802-02	9.599E-03	9.610E 00	4.115E-04	6.3932-04
1.315E 00	2.404E-01	3.841E-02	3.990E 00	4.241E-03	1.038E-02	9.750F 00	4.486E-04	4.751E-04
1.345E 00	2.397E-01	J.6962-02	4.0508 00 -	- 8.905E-04	-9.860E-03	9.8902 00	5.715E-04	4.451E-04
1.3/52 00	2.3918-01	3.4/96-02	4.1102.00 -	-2-2105-03	-0./302-03	1 0 178 01	2.3325-04	3.8/81-04
1.4032 00	2.0745-01	3 8178-02	4.700000	3.4578-03	7.2048-03	1.0318 01	1 7922-04	3.0175-04
1.4558 00	2.7861-01	3.2788-02	4.3200 00	1.0108-02	7.0788-03	1.045F 01	1.7268-04	4.5878-04
1.4958 00	2.2075-01	3. 183E-02	4.400E 00	1.3598-02	7.858E-03	1.059E 01	2.407E-04	4.887E-04
1. 52 58 00	2.1611-01	3.185E-02	4.480E 00	9.837E-03	7.040E-03			

PHOTON ENEFGY INTERVAL (MEV)	X-SECTION (E/SR)	ERROR (B/SR)
3.000E-01 - 4.000E-01	1.053E-01	1.724 E-02
4.000E-01 - 5.000E-01	6. /4/E-02	1.7092-02
5.000E-01 - 6.000E-01	9.843E-02	1.096E-02
6.000E-01 - 7.000E-01	5.733E-02	9.626E-03
7.000E-01 - 8.000E-01	5.797E-02	7.464E-03
8.000E-01 - 1.000E 00	7.165E-02	1.187E-02
1.000E 00 - 1.200E 00	7.784E-02	E. 479E-03
1.200F 00 - 1.400E 00	5.062E-02	7.750E-03
1. BOOR 00 - 1. 600E 00	4.403E-02	6:614E-03
1.600F 00 - 1.800F 00	2.864F-02	6-6128-03
1.8008 00 - 2.0008 00	3.052F-02	5.319E-03
2 00(# 00 - 2 500# 00	5 2868-02	1. 1218-02
2.0000 00 - 2.0000 00	2 1038-02	0 2278-02
2.5000 00 - 5.0000 00	2.4036-02	0.2210-03
3.000E 00 - 3.500E 00	2.3091-03	4.5175~05
3.5008 00 - 4.0008 00	1.3032-02	C. 59/E~03
4.000E 00 - 4.500E 00	2.585E-03	6.962E-04
4.500E 00 - 5.000E 00	6.767E-04	9.637E-04
5.0002 00 - 6.0002 00	2.312E-03	1.745 E-03
6.000E 00 - 7.000E 00	1.526E-03	4.723E-04
7.00CF 00 - 8.000E 00	1.324E-03	8.401E-04
8.000P 00 - 9.000P 00	3.061E-04	1,017E-04
9.000E 00 - 1.000E 01	6.653E-04	7.397E-04

TO FAL SECONDART GAFMA RAY FIELD AND AVERAGE SECONDART GAMAR RAY EWERGY PROM TH NS A FUNCTION DO THE INCLUENT REUTEON EWERGY. THESE DATA RESULT FROM A PULSE HEIGHT WEIGHTING ANALYSTS FOR PULSE HEIGHTS GEBAIRE ALMA OLD REV. UNCERTARA-TIES ARE GIVEN IN FAREWALENES IN THE SAME UNTIL AND OLD REV. UNCERTARA-TIES ARE GIVEN IN FAREWALENES IN THE SAME UNTIL AS THE DATA. THE UNCERTARA-TIES ARE GIVEN IN FAREWALENES IN THE SAME UNTIL AS THE DATA. THE UNCERTARA-TIES ARE GIVEN IN FAREWALENES AND UPTER AN ALMANAL THE UNCERTARA-ANGLE IS 125 DEGREES.

	AFERAGE ENERGY (NEV)	0.139E 01 (0.944E-02) 0.141E C1 (0.959E-02) 0.142E C1 (0.100E-01)	0.141E C1(0.113E-01) 0.137E 01(0.133E-01) 0.130E 01(0.153E-01) 0.123E 01(0.154E-01)	0.120E 01 (0.1918-01) 0.120E 01 (0.1928-01) 0.121E 01 (0.2132-01)	0.1262 01 (0.249 ±01) 0.1292 01 (0.249 ±01) 0.1312 01 (0.264 ±01) 0.1332 01 (0.292 ±01) 0.1332 01 (0.392 ±01) 0.1362 01 (0.364 ±01)	0.1342 01 0.4115-01) 0.1312 01 0.4115-01) 0.1272 01 0.475-01) 0.1168 01 0.405-01) 0.1073 01 0.3175-01) 0.1072 01 0.4175-01) 0.1092 01 0.4775-01) 0.1122 01 0.4775-01)
NO FRALIZATION. THE	SECONDART PHOTON YIELD (B/SR)	0.734E 00(0.398E-02) 0.754E 00(0.409E-02) 0.780E 00(0.440E-02)	0.696E 00 (0.44TE-02) 0.525E 00 (0.405E-02) 0.476E 00 (0.434E-02) 0.4487 00 (0.457E-02)	0.4102 00 0.4658-02) 0.4478 00 0.5348-02) 0.4748 00 0.6288-02) 0.4748 00 0.6288-02)	0.520E 00(0.7719-02) 0.520E 00(0.7719-02) 0.560E 00(0.8755-02) 0.597E 00(0.9845-02) 0.597E 00(0.1148-01) 0.5957 00(0.1248-01)	0.6017 00 0 0 0 14 37-01 0.5967 00 0 10.1557-01 0.5275 00 0 0.1442-01 0.6237 00 0 0.1442-01 0.6537 00 0 0.1442-01 0.765 00 0 0.2022-01 0.7865 00 0 0.22747-01 0.8692 00 0 0.27447-01
APSOLUTE	- ENERGY Stread (MeV)	0.485 0.513 0.495	0.505 0.508 0.474 0.517	0.502	0-523 0-523 0-507 0-485 0-513	0.482 0.509 0.469 1.009 1.032 1.032 1.037 1.033
ERROR IN	INC.NT Energy (MeV)	5.751 6.251 6.755	7.254 7.761 8.251 8.251	9.254 9.753 10.256	11.250 11.756 12.271 12.767 13.266	13.764 14.260 14.749 15.487 15.487 15.487 15.507 17.500 17.500 19.526
NOT INCLUDE A 10 PERCENT 25.	AVERAGE ENERGY (MEV)	0.159E 01(0.492E-01) 0.157E 01(0.401E-01) 0.160E 01(0.277E-01)	D.1588 D1(0.2332-01) 0.1428 D1(0.1572-01) 0.1148 C1(0.1002-01) 0.1038 D1(0.7808-02)	0.962E 00(0.531E-02) 0.947E 00(0.458E-02) 0.957E 00(0.447E-02) 0.447E-02)	0.104E 01 0.465E 02) 0.104E 01 0.465E 02) 0.109E 01 0.609E-02) 0.112E 01 0.609E-02) 0.118E 01 0.701E-02) 0.118E 01 0.701E-02)	0.1218 011 0.485 78-02 0.1238 011 0.4838-02 0.1258 011 0.9968-02 0.1282 011 0.9768-02 0.1282 011 0.1038-01 0.1328 011 0.9778-02 0.1328 011 0.9698-02 0.1348 011 0.8698-02
IN TOTAL TIELD DC Angle is 125 degree	SECONDARY PHOTON VIELE (8/SR)	0.3381-01(0.7632-03) 0.3401-01(0.6282-03) 0.3541-01(0.4561-03)	C.4CCE-C1(0.4365-03) 0.5281-C1(0.4278-03) 0.7811-01(0.478E-03) 0.993E-01(0.5238-03)	0.131E 00(0.526E-03) C.185E CC(0.699E-03) 0.251E CO(0.901E-03) 0.354E CO(0.901E-03)	0.3682 00 (0.1322-02) 0.3682 00 (0.1322-02) 0.3952 00 (0.1452-02) 0.44268 CG (0.1748-02) 0.44765 CG (0.2302-02) 0.44765 00 (0.2382-02)	0.4955 00 0.2733-02) 0.5255 00 0.2968-07) 0.5555 00 0.3682-07) 0.5955 00 0.3682-02) 0.5955 00 0.3682-02) 0.6655 00 0.9328-02) 0.6625 00 0.4102-02) 0.5925 00 0.4102-02) 0.5925 00 0.4102-02)
	SPRERGY SPRERGY (MEV)	0.100	0.095 0.103 0.095 0.104	0.254	0.255	0.246 0.258 0.256 0.256 0.256 0.256 0.256 0.256
	I KC.NT. Energy (hpv)	0.351 C.451 C.552	C. 850 C. 850 C. 949	1.122 1.370 1.623	2.122 2.631 2.631 2.631 2.631 2.631	3,369 2.621 4.129 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.214 6.2146 6.2146 6.2146 6.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.2146 7.

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