

## 29-Cu-63 (n, $\gamma$ ) 29-Cu-64

Abundance (%) = 69.17  $\pm$  0.03  
 Q = 7.91602 MeV E<sub>thr</sub> = 0.0  
 T<sub>1/2</sub> = 12.700 h 2  
 E <sub>$\gamma$</sub>  = 1345.77  $\pm$  0.06 keV I <sub>$\gamma$</sub>  = 0.473  $\pm$  0.010 EC+ $\beta^+$

IRDF-90 - eval. - Nov 1989 D. Hetrick, A. Vonach et al.  
 D-99 (JENDL/D-99) - eval. - Mar 1996 Y. Uno.  
 ENDF/B-VI - eval. - Nov 1989 D. Hetrick, C. Fu, N. Larson.  
 JENDL-3.2 - eval. - Mar 1987 N. Yamamuro, T. Kawakita.  
 CENDL-2 - eval. - Aug 1991 B. Yu, S. Chiba, N. Yamamuro et al.

**Tabl. 1**

<b>U-235</b>					
	<b>IRDF-90</b>	<b>D-99</b>	<b>ENDF/B-VI</b>	<b>JENDL-3</b>	<b>CENDL-2</b>
10%	1.50E-01	1.28E-01	1.50E-01	1.29E-01	1.90E-01
50%	8.80E-01	8.00E-01	8.80E-01	8.20E-01	8.41E-01
90%	2.90	2.50	2.90	2.50	2.20
<b>ACS</b>	<b>1.08E-02</b>	<b>1.10E-02</b>	<b>1.08E-02</b>	<b>1.10E-02</b>	<b>9.02E-03</b>

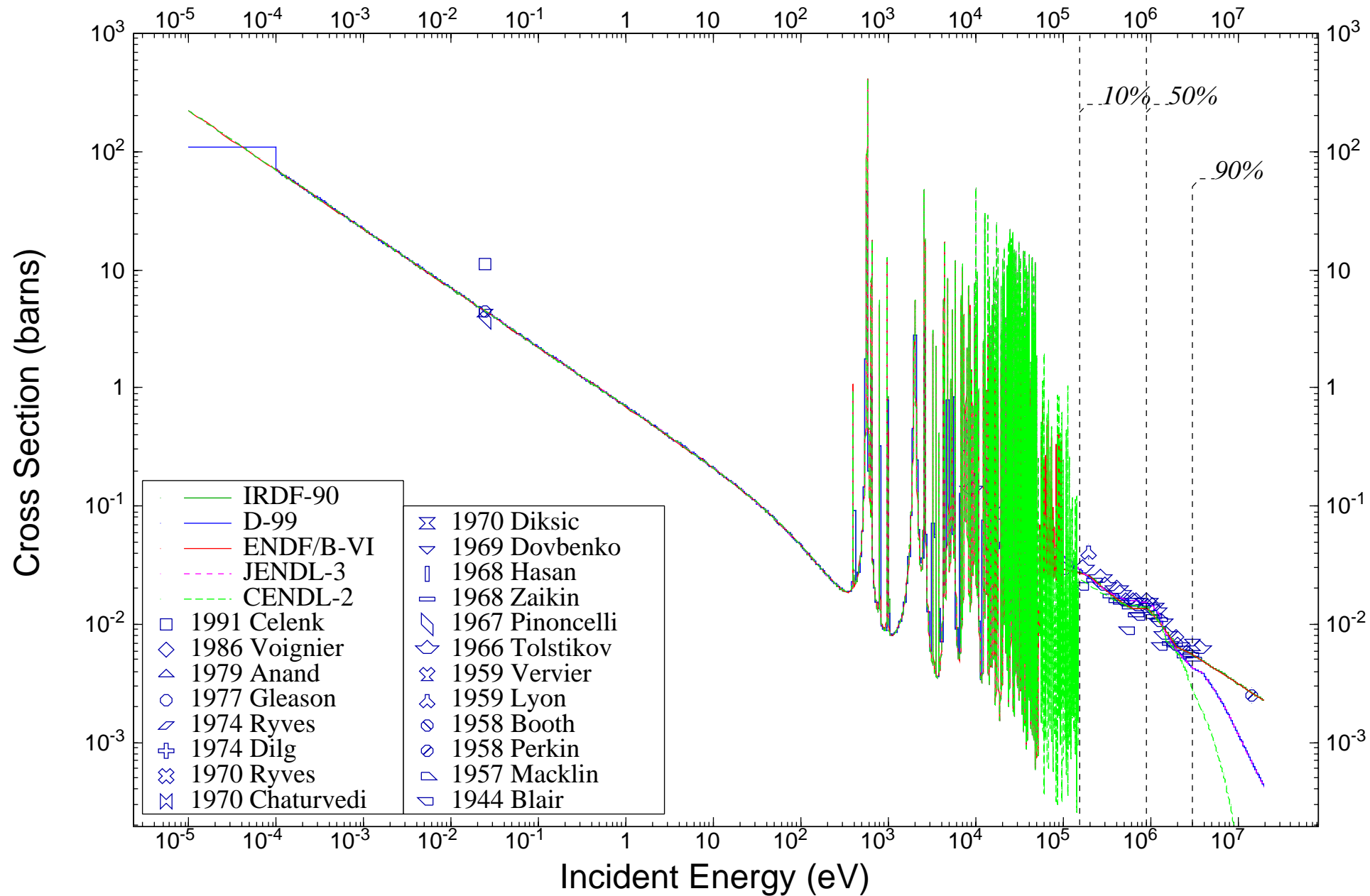
**Tabl. 2**

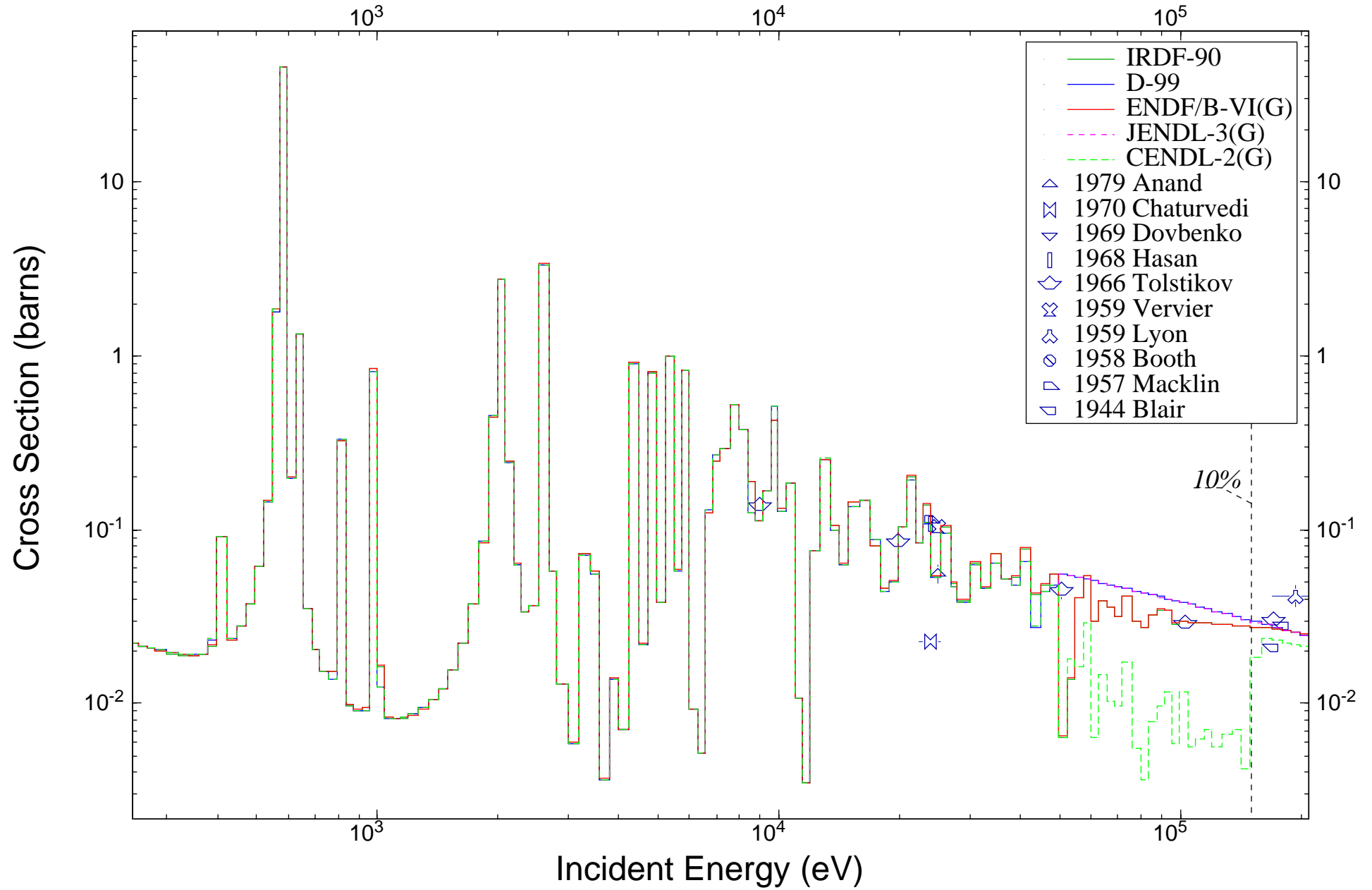
<b>Cf-252</b>					
	<b>IRDF-90</b>	<b>D-99</b>	<b>ENDF/B-VI</b>	<b>JENDL-3</b>	<b>CENDL-2</b>
10%	1.70E-01	1.50E-01	1.70E-01	1.52E-01	2.10E-01
50%	9.20E-01	8.40E-01	9.20E-01	8.50E-01	8.50E-01
90%	3.10	2.60	3.10	2.66	2.29
<b>ACS</b>	<b>1.04E-02</b>	<b>1.05E-02</b>	<b>1.04E-02</b>	<b>1.05E-02</b>	<b>8.57E-03</b>

**Tabl. 3**

2.5-02 2.5-02	1	1USAORL	W,GLEASON	7704 G.GLEASON	10662002
2.4+04 2.4+04	1	1USAORL	J,PR,107,504	57 R.L.MACKLIN,	11399010
1.9+05 2.0+05	1	1USAORL	J,PR,114,1619	59 W.S.LYON,	11407005
2.4+04 2.4+04	1	1USALRL	J,PR,112,226	58 R.BOOTH,	11429008
1.7+05 1.3+06	6	1USALAS	R,LAMS-95	44 J.M.BLAIR,	11796002
2.5-02 2.5-02	1	2BLGMOL	P,EANDC(E)-76,107(1)	6701 B.PINONCELLI,	20185002
2.5+04 2.5+04	1	2BLGLVN	J,NP,9,569	5901 J.F.VERVIER	20205004
2.5-02 2.5-02	1	2UK NPL	J,JP/A,7,2318	74 T.B.RYVES,	20561002
2.5-02 2.5-02	1	2UK NPL	J,JNE,24,35	7002 T.B.RYVES	20789016
2.5-02 2.5-02	1	2GERMUN	J,ZP,266,157	7402 W.DILG,	20965009
1.4+07 1.5+07	1	2UK ALD	J,PPS,72,505	58 J.L.PERKIN,	21438009
5.0+05 3.0+06	4	2FR BRC	J,NSE,93,43	86 J.VOIGNIER,	22006003
2.5-02 2.5-02	1	2TUKANR	J,JRN,148,(2),393	9106 I.CELENK,	22234004
3.0+06 3.0+06	1	3HUNDEB	J,AHP,28,257	7001 M.DIKSIC,	30023002
2.4+04 2.4+04	1	3INDMUA	J,NC/B,58,402	6812 S.S.HASAN,	30077005
2.5+04 2.5+04	1	3INDTRM	J,NC/A,50,274	7903 R.P.ANAND,	30390003
2.4+04 2.4+04	1	3INDBHU	C,70MADURAI,2,615	7012 S.N.CHATURVEDI,	30493003
9.0+03 3.6+06	27	4CCPFEI	J,AE,21,(1),45	6606 V.A.TOLSTIKOV,	40002002
2.3+05 3.1+06	18	4CCPIFU	J,AE,25,(6),526	6812 G.G.ZAIKIN,	40248002
9.0+03 3.8+05	8	4CCPFEI	J,AE,27,(5),406	6911 A.G.DOVHENKO,	40331002

**Tabl.1**

$^{63}\text{Cu}(n,\gamma)^{64}\text{Cu}$ 

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