

## 90-Th-232 (n, f)

Abundance (%) = 100                       $T_{1/2} = 1.405 \cdot 10^{10} \text{ y } 6$

IRDF-90                      - eval. - Dec 1977 M. Bhat, A. Smith, B. Leonard, G. de Saussure et al.  
D-99 (JENDL/D-99)        - eval. - Mar 1987 T. Ohsawa.  
ENDF/B-VI                   - eval. - Dec 1977 M. Bhat, A. Smith, B. Leonard, G. de Saussure et al.  
JENDL-3.2                   - eval. - Mar 1987 T. Ohsawa.  
JEF-2                         - eval. - Jun 1982 Scientific Co-ordination Group.  
BROND-2                    - eval. - Nov 1983 M. Nikolaev 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>JEF-2</b>	<b>BROND-2</b>
10%	1.60	1.60	1.603700	1.60	1.60	1.60
50%	2.80	2.80	2.80	2.80	2.90	2.80
90%	6.20	6.20	6.20	6.20	6.10	6.20
<b>ACS</b>	<b>7.24E-02</b>	<b>7.58E-02</b>	<b>7.24E-02</b>	<b>7.58E-02</b>	<b>6.90E-02</b>	<b>7.24E-02</b>

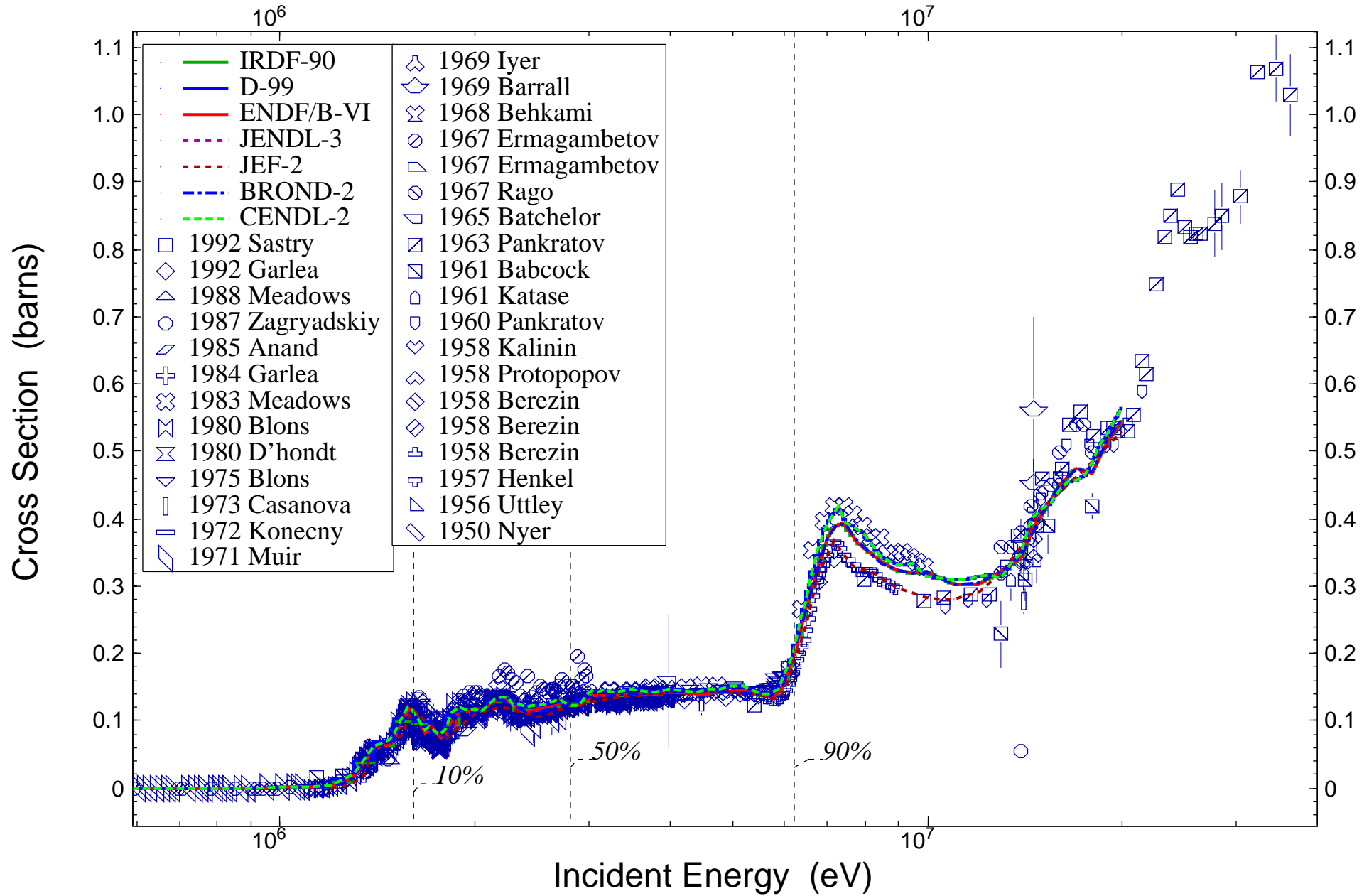
**Tabl. 2**

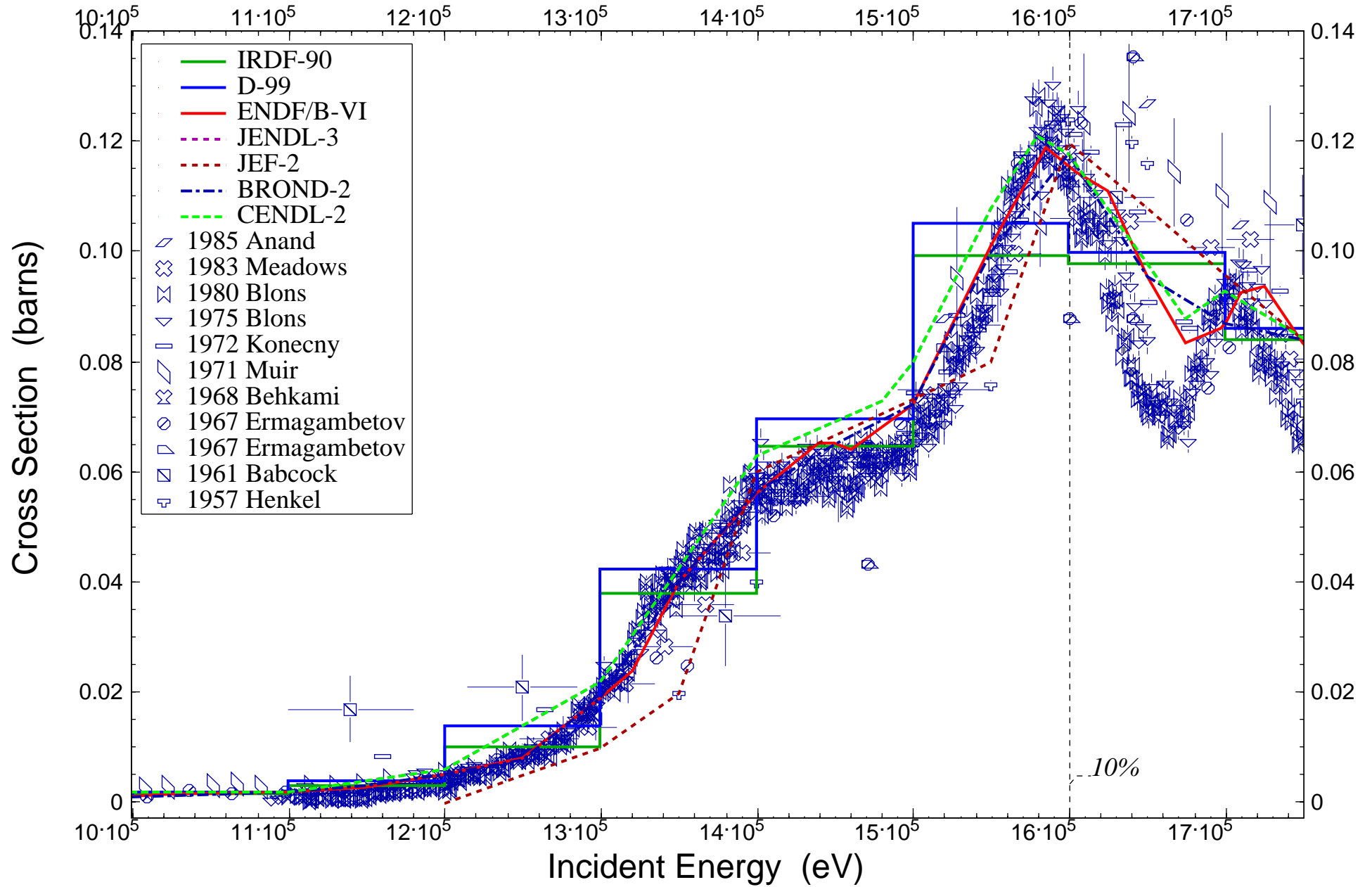
<b>Cf-252</b>						
	<b>IRDF-90</b>	<b>D-99</b>	<b>ENDF/B-VI</b>	<b>JENDL-3</b>	<b>JEF-2</b>	<b>BROND-2</b>
10%	1.60	1.60	1.65	1.60	1.649176	1.65
50%	3.00	3.00	3.00	3.00	3.00	3.00
90%	6.70	6.70	6.70	6.70	6.60	6.70
<b>ACS</b>	<b>7.81E-02</b>	<b>8.16E-02</b>	<b>7.80E-02</b>	<b>8.16E-02</b>	<b>7.44E-02</b>	<b>7.80E-02</b>

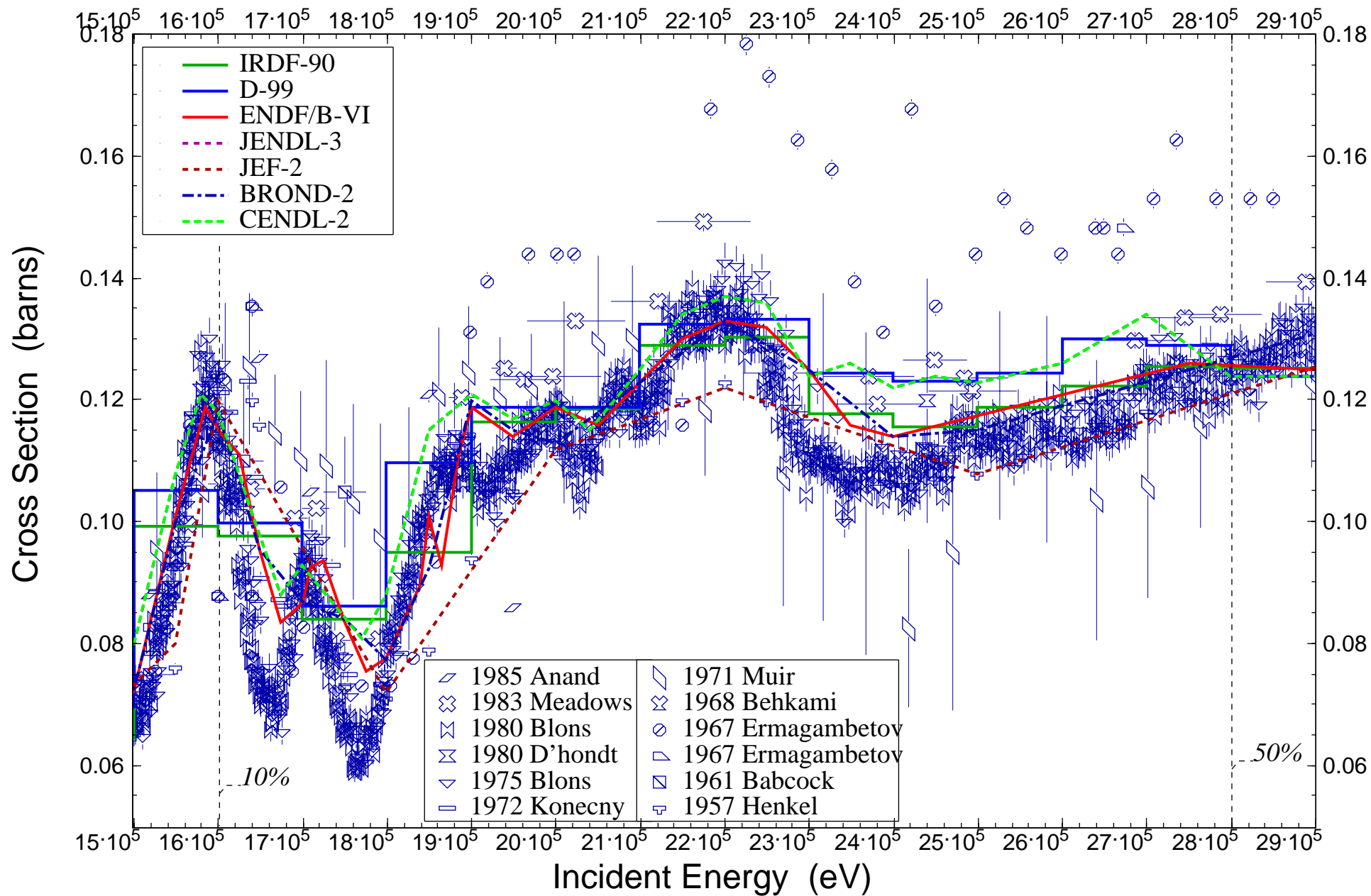
**Tabl. 3**

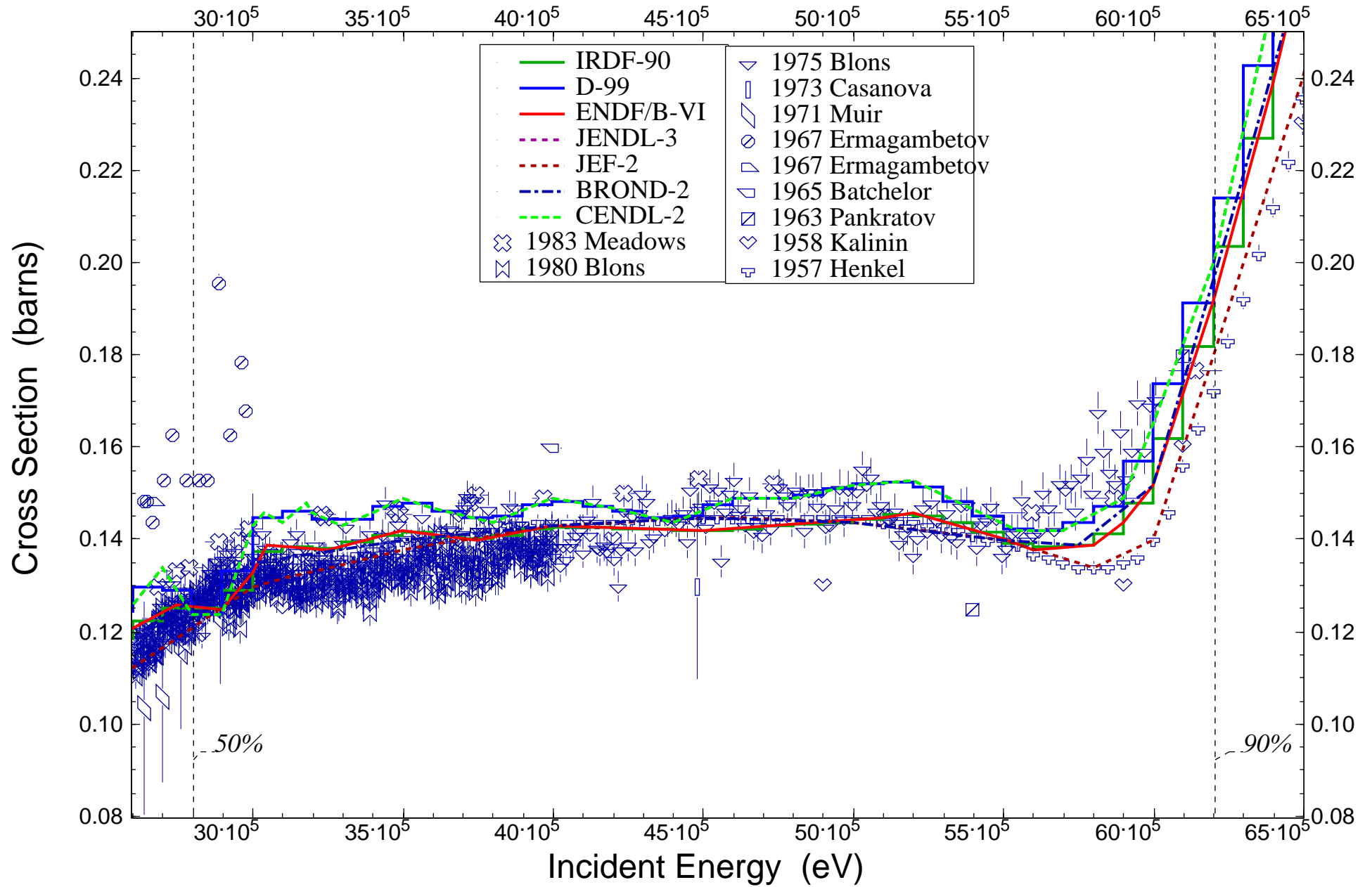
1.5+07	1.5+07	1	1USASTF	R,AFWL-TR-68-134,19690	6903 R.C.Barrall,	10022023
1.5+07	1.5+07	1	1USASTF	R,AFWL-TR-68-134,19690	6903 R.C.Barrall,	10022024
6.0+05	3.0+06	104	1USALAS	C,71KNOX,1,292,7103	7103 D.W.Muir,	10223004
1.3+06	9.9+06	70	1USAANL	R,ANL-NDM-83,8310	8310 J.W.Meadows	10843003
1.2+06	9.0+06	158	1USALAS	R,LA-2122,5703	5703 R.L.Henkel	12257002
1.3+07	1.8+07	16	1USANRD	J,HP,13,654,6706	6706 P.F.Rago,	12284002
1.2+06	1.6+06	3	1USAANL	J,NP/A,118,65,6809	6809 A.N.Behkami,	12289002
1.1+06	1.9+06	7	1USABET	W,BABCOCK,6110	6110 R.V.Babcock	12294002
1.3+07	1.8+07	5	1USABET	W,BABCOCK,6110	6110 R.V.Babcock	12294003
1.4+07	1.4+07	1	1USALAS	R,LAMS-938,50	5001 W.Nyer	12306002
1.5+07	1.5+07	1	1USAANL	J,ANE,15,421,8808	8808 J.W.Meadows	13134003
1.4+07	1.5+07	3	2JPNKYU	W,KATASE,6109	6109 A.Katase	20299002
1.1+06	6.0+06	823	2FRSAC	J,PRL,35,1749,7512	7512 J.Blons,	20796002
4.5+06	1.4+07	2	2SPNVLD	J,ARS,69,71,7301	7301 J.Casanova,	20953002
3.0+06	7.0+06	3	2UKALD	J,NP,65,236,6503	6503 R.Batchelor,	21019011
1.4+07	1.4+07	1	2UKHAR	R,AERE-NP/R-1996,,5606	5606 C.A.Uttley,	21468006
2.4+06	2.4+06	1	2FRILL	J,ANE,7,(6),367,80	8001 P.D'hondt,	21635003
1.1+06	4.0+06	1727	2ZZZGEL	W,WEIGMANN,800925	8009 J.Blons,	21656003
1.4+07	1.4+07	1	3INDTRM	C,69ROORKEE,2,289,6912	6912 R.H.Iyer,	30035002
1.5+07	1.5+07	1	3RUMPIT	J,RRP,29,421,84	8401 I.Garlea,	30813007
1.4+06	2.0+06	7	3INDTRM	C,85JAIPUR,2,350,8512	8512 R.P.Anand,	30975002
1.4+07	1.4+07	1	3INDBHU	C,92BOMBAY,,288,92	9201 Ch.V.Sastry,	31424002
1.5+07	1.5+07	1	3RUMBUC	J,RRP,37,(1),19,92	9201 I.Garlea,	31459025
1.5+07	1.5+07	1	4CCPCCP	J,AE,4,(2),190,5802	5802 A.N.Protopopov,	40390002
1.1+07	2.2+07	16	4CCPKUR	J,AE,9,399,60	6001 V.M.Pankratov,	40638002
5.4+06	3.7+07	39	4CCPKUR	J,AE,14,177,63	6301 V.M.Pankratov	40653002

3.1+06 7.2+06	9	4CCPKUR	C,58GENEVA,16,136(2149)	5809 S.P.Kalinin,	40741002
1.4+07 1.4+07	1	4RUSKUR	R,IAE-4480/8,87	8701 V.A.Zagryadskiy,	41147004
1.5+07 1.5+07	1	4RUSKUR	J,AE,5,659,1958	5801 A.A.Berezin,	41203002
3.8+08 3.8+08	1	4RUSICP	J,DOK,101,1027,55	5501 V.I.Goldanskiy,	41212002
6.0+05 3.0+06	89	4RUSFEI	J,YF,5,257,6702	6702 S.B.Ermagambetov,	41288002
1.2+06 1.9+06	32	2GERMUN	J,ZP,251,400,72	7201 E.Konecny,	67036002
1.5+07 1.5+07	1	4CCPCCP	J,AE,5,659,58	5801 A.A.Berezin,	80319002
3.8+08 3.8+08	1	4CCPCCP	J,DOK,101,1027,55	5501 V.I.Goldanskii,	80321002
6.0+05 3.0+06	89	4CCPFEI	J,YF,5,257,6702	6702 S.B.Ermagambetov,	87018002
1.5+07 1.5+07	1	4CCPCCP	J,AE,5,659,5812	5812 A.A.Berezin,	88034003

$^{232}\text{Th}(n,f)$ 

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