

### 3-Li-6 (n, t) 2-He-4

Abundance (%) = 7.59 ± 0.04

Q = 4.78297 MeV

E<sub>thr</sub> = 0.0

IRDF-90 - eval. - Apr 1989 G. Hale, P. Young.

D-99 (JENDL/D-99) - eval. - Apr 1989 G. Hale, P. Young.

ENDF/B-VI - eval. - Apr 1989 G. Hale, P. Young.

JENDL-3.2 - eval. - Mar 1985 S. Chiba, K. Shibata.

JEF-2 - eval. - Jun 1982 JEF SCG.

BROND-2 - eval. - Jan 1989 M. Nikolaev.

Tabl. 1

U-235						
	IRDF-90	D-99	ENDF/B-VI	JENDL-3	JEF-2	BROND-2
10%	1.90E-01	1.90E-01	1.90E-01	1.90E-01	1.90E-01	1.95E-01
50%	5.00E-01	5.25E-01	5.00E-01	5.40E-01	5.00E-01	5.25E-01
90%	2.50	2.40	2.50	2.40	2.55	2.50
<b>ACS</b>	<b>3.35E-01</b>	<b>3.48E-01</b>	<b>3.35E-01</b>	<b>3.48E-01</b>	<b>3.34E-01</b>	<b>3.39E-01</b>

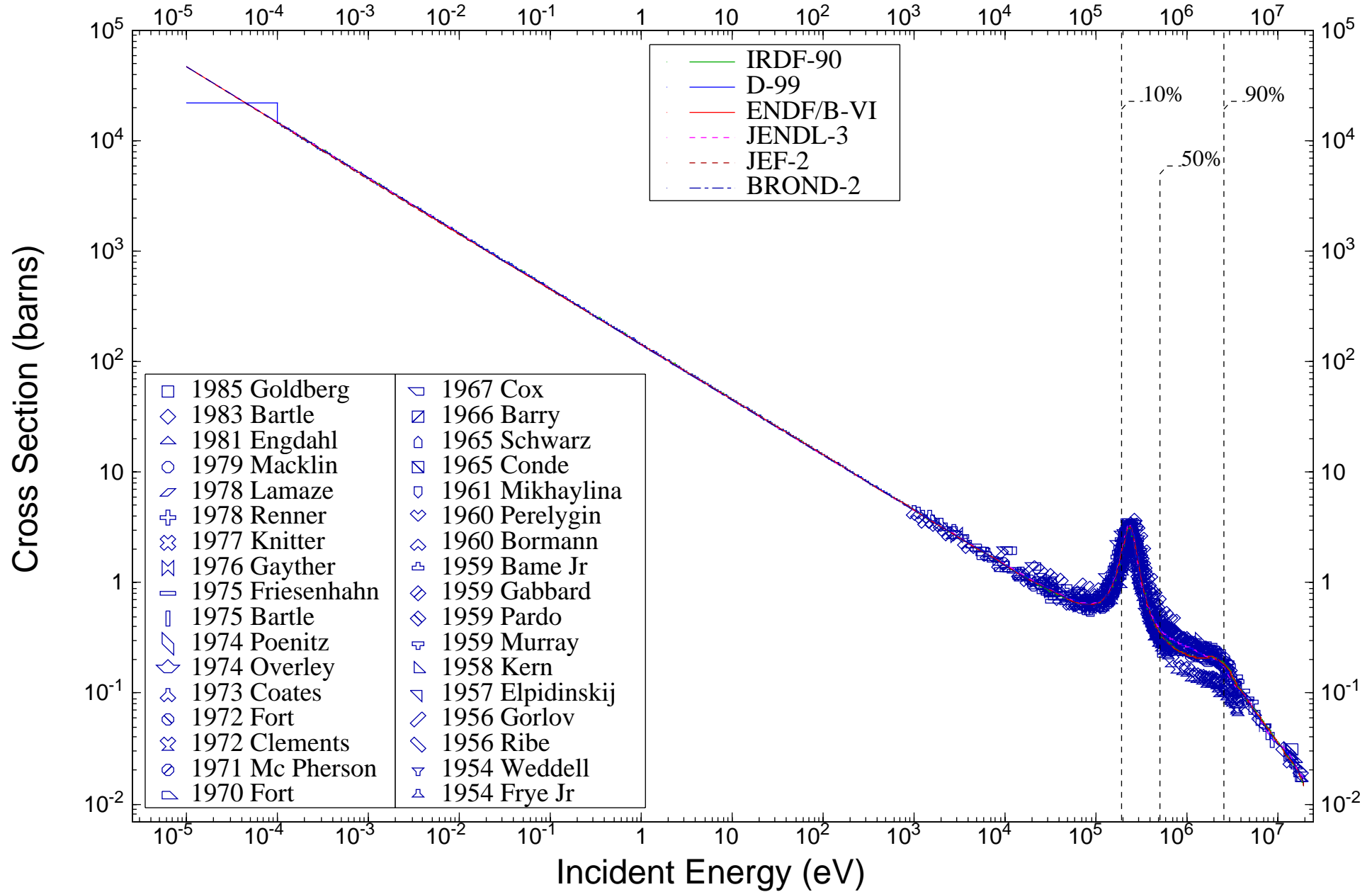
Tabl. 2

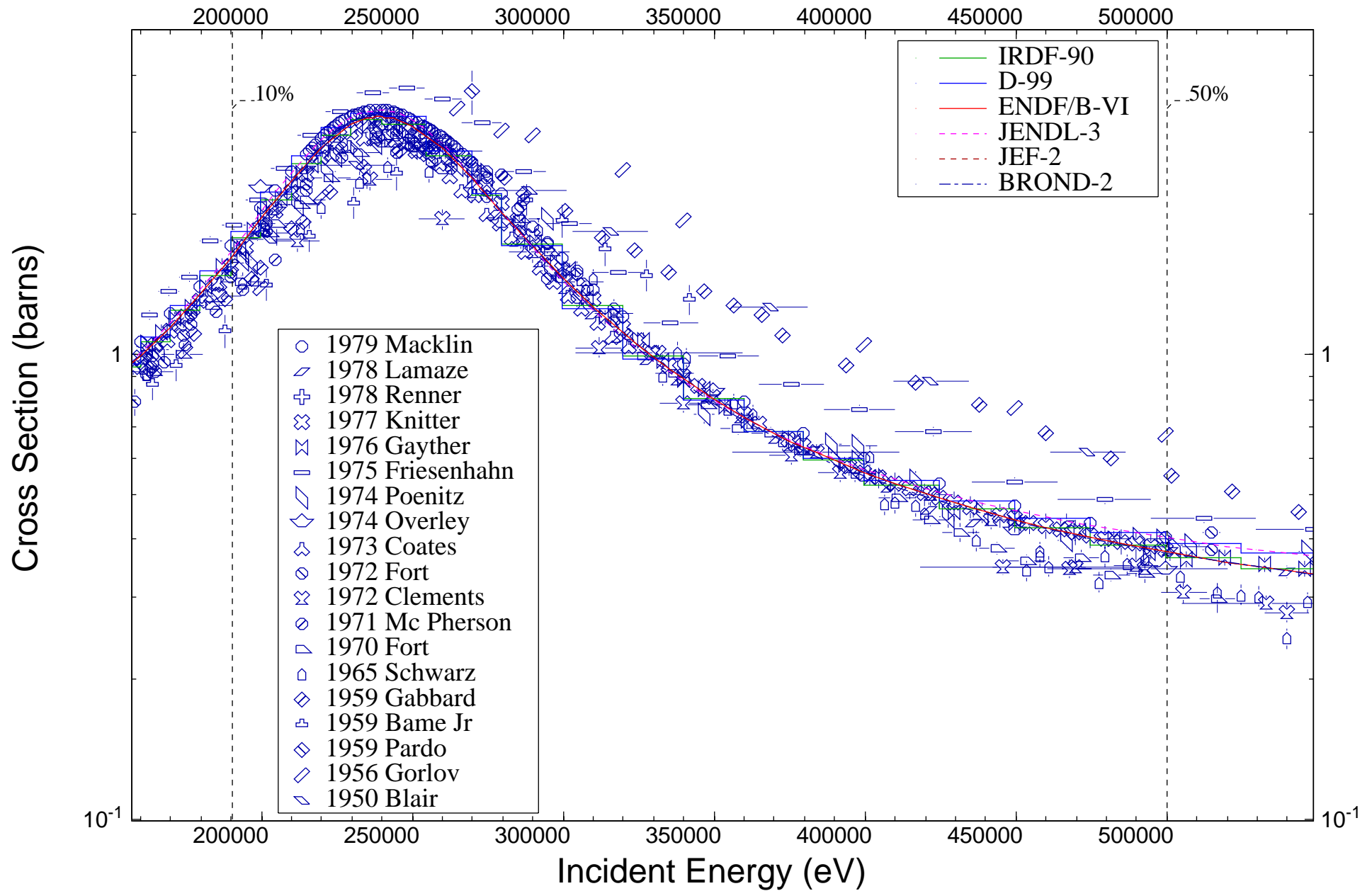
Cf-252						
	IRDF-90	D-99	ENDF/B-VI	JENDL-3	JEF-2	BROND-2
10%	1.90E-01	2.00E-01	1.90E-01	2.00E-01	1.90E-01	2.00E-01
50%	5.75E-01	6.00E-01	5.75E-01	5.90E-01	5.70E-01	6.00E-01
90%	2.70	2.60	2.70	2.60	2.70	2.60
<b>ACS</b>	<b>3.18E-01</b>	<b>3.30E-01</b>	<b>3.18E-01</b>	<b>3.30E-01</b>	<b>3.17E-01</b>	<b>3.22E-01</b>

Tabl. 3

1.4+07 1.4+07	1	2GERHAM	J,ZN/A,15,200	6003 M.BORMANN,	21668011
2.5+06 2.5+06	1	2GERHAM	J,ZN/A,15,200	6003 M.BORMANN,	21668012
2.1+06 2.2+06	1	4CCPCCP	J,AE,9,(6),488	6012 V.P.PEREYGIN,	40455002
9.1+03 7.3+05	24	4CCPCCP	J,DOK,111,(4),791	56 G.V.GORLOV,	40708002
2.5+06 2.5+06	1	4CCPLEB	J,AE/S,5,75	57 A.V.ELPIDINSKIJ,	40774002
9.1+04 1.5+06	67	1USAANL	J,ZP,268,359	7407 W.P.POENITZ	10378002
1.0+05 1.8+06	25	1USAORE	J,NP/A,221,573	7403 J.C.OVERLEY,	10382004
2.2+06 9.7+06	23	1USAWis 3SAFSCT	C,75WASH,,688	7503 C.M.BARTLE	10446002
2.7+05 2.7+05	1	1USANWU	J,BAP,4,218(AB6)	59 B.PARDO,	11008002
1.4+07 1.4+07	1	1USALAS	J,PR,93,1086	5403 G.M.FRYE JR	11071006
1.5+06 2.0+06	2	1USANWU	J,PR,95,117	5407 J.B.WEDDELL,	11076002
8.8+05 1.4+07	11	1USALAS	J,PR,103,741	56 F.L.RIBE	11094002
2.5+04 4.1+06	122	1USARIC	J,PR,114,201	59 F.GABBARD,	11098005
2.5+05 6.0+05	4	1USARIC	J,PR,114,201	59 F.GABBARD,	11098006
9.0+03 3.4+05	29	1USALAS	J,PR,114,1580	59 S.J.BAME JR,	11103002
1.2+06 3.8+06	14	1USAORL	J,PR,115,1707	59 R.B.MURRAY,	11105002
3.6+06 8.0+06	10	1USAORL	J,PR,115,1707	59 R.B.MURRAY,	11105003
1.7+06 4.1+06	11	1USAORL	J,PR,115,1707	59 R.B.MURRAY,	11105004
1.4+05 6.2+05	13	1USAANL	P,ANL-4515,7	5010 J.M.BLAIR,	11159002
1.2+07 1.8+07	35	1USANRD	J,PR,112,926	5811 B.D.KERN,	11168002
1.5+07 1.5+07	1	1USALRL	J,NSE,91,173	8510 E.GOLDBERG,	12954002

1.0+05 1.0+05	1	2SWDFOA	J,AF,29,45	6501 H.CONDE,	20026002
2.9+03 1.5+05	31	2SWDFOA	J,NP,63,593	6503 S.SCHWARZ,	20059002
1.6+05 5.9+05	52	2SWDFOA	J,NP,63,593	6503 S.SCHWARZ,	20059005
1.4+07 1.4+07	1	4RUSKUR	B,NEJTRONFIZ,,249	6104 K.M.MIKHAYLINA,	41226003
1.6+05 6.4+05	20	2UK HAR	R,AERE-R-7075	7207 P.J.CLEMENTS,	20400002
3.3+05 2.4+06	25	2UK HAR	R,AERE-R-7075	7207 P.J.CLEMENTS,	20400003
1.7+06 3.9+06	23	2UK HAR	R,AERE-R-7075	7207 P.J.CLEMENTS,	20400004
1.0+04 2.9+05	32	1USAQTY	C,71KNOX,2,611	7103 M.R.MC PHERSON,	10228002
2.3+03 1.7+06	152	1USAIRT	C,75WASH,1,232	7503 S.J.FRIESENHAHN,	10303005
2.8+03 7.8+05	86	1USANBS	J,NSE,68,183	7811 G.P.LAMAZE,	10607002
2.3+04 2.3+04	1	1USAMHG	J,NSE,78,44	8105 J.C.ENGDAHL,	10755002
7.0+04 3.0+06	106	1USAORL	J,NSE,71,205	7908 R.L.MACKLIN,	10895002
2.2+05 2.7+05	3	1USAORL	J,BAP,23,526(BI3)	7804 C.RENNER,	10841002
1.2+07 1.8+07	15	3AULCBR	J,NP/A,397,21	8303 C.M.BARTLE,	30651002
1.0+03 3.3+05	159	2UK HAR	P,EANDC(UK)-151,10	7308 M.S.COATES,	20410002
1.4+04 1.7+05	25	2FR CAD	R,EANDC(E)-148	7201 E.FORT,	20412002
2.1+04 1.7+05	20	2FR CAD	R,EANDC(E)-148	7201 E.FORT,	20412003
1.2+05 3.2+05	18	2FR CAD	R,EANDC(E)-148	7201 E.FORT,	20412004
1.2+05 3.2+05	19	2FR CAD	R,EANDC(E)-148	7201 E.FORT,	20412005
5.1+05 1.7+06	18	2FR CAD	R,EANDC(E)-148	7201 E.FORT,	20412006
5.1+05 1.7+06	18	2FR CAD	R,EANDC(E)-148	7201 E.FORT,	20412007
8.2+04 5.2+05	40	2FR CAD	C,70HELSINKI,1,253	7006 E.FORT	20551002
8.5+04 5.0+05	84	2ZZZGEL	R,EUR-5726E,1	7704 H.H.KNITTER,	20749005
3.0+03 8.1+05	112	2UK HAR	W,GAYTHER	7612 D.B.GAYTHER	20862003
2.5+04 1.0+05	3	2UK ALD	C,66WASH,2,763	6603 J.F.BARRY	20893002
1.1+04 1.0+05	7	2UK ALD	J,JNE,21,271	6703 S.A.COX,	20894003

${}^6\text{Li}(n,t){}^4\text{He}$ 

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