

28-Ni-58 (n, p) 27-Co-58

Abundance (%) = 68.077 ± 0.009
 Q = 0.40077 MeV E_{th} = 0.0
 T_{1/2} = 70.82 d 3
 E_γ = 810.775 ± 0.009 keV I_γ = 99.448 ± 0.008 EC+β⁺

IRDF-90 - eval. - Apr 1990 N. Larson, A. Vonach et al.
 D-99 (JENDL/D-99) - eval. - Nov 1997 K. Kobayashi.
 ENDF/B-VI - eval. - Oct 1989 N. Larson, C. Perey, D. Hetrick, C. Fu.
 JENDL-3.2 - eval. - Mar 1987 S. Iijima.
 JEF-2 - eval. - Jun 1989 JEF SCG.
 BROND-2 - eval. - May 1985 A. Blokhin, A. Ignatyuk.

Tabl. 1

U-235						
	IRDF-90	D-99	ENDF/B-VI	JENDL-3	JEF-2	BROND-2
10%	2.30	2.40	2.30	2.40	2.30	2.30
50%	4.00	4.10	4.00	4.00	4.00	4.10
90%	6.60	6.60	6.60	6.50	6.60	6.60
ACS	1.03E-01	1.02E-01	1.03E-01	1.03E-01	1.03E-01	1.02E-01

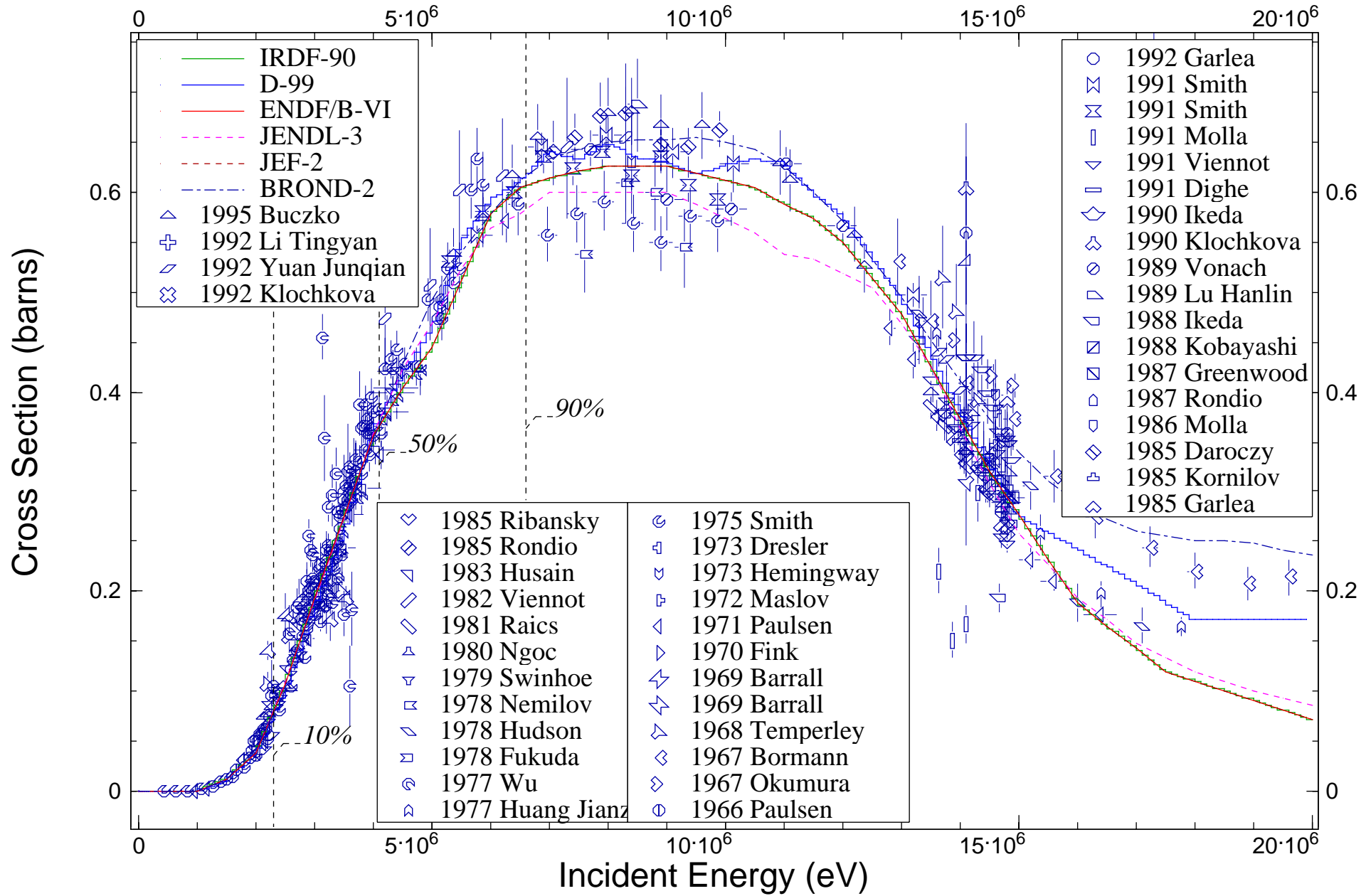
Tabl. 2

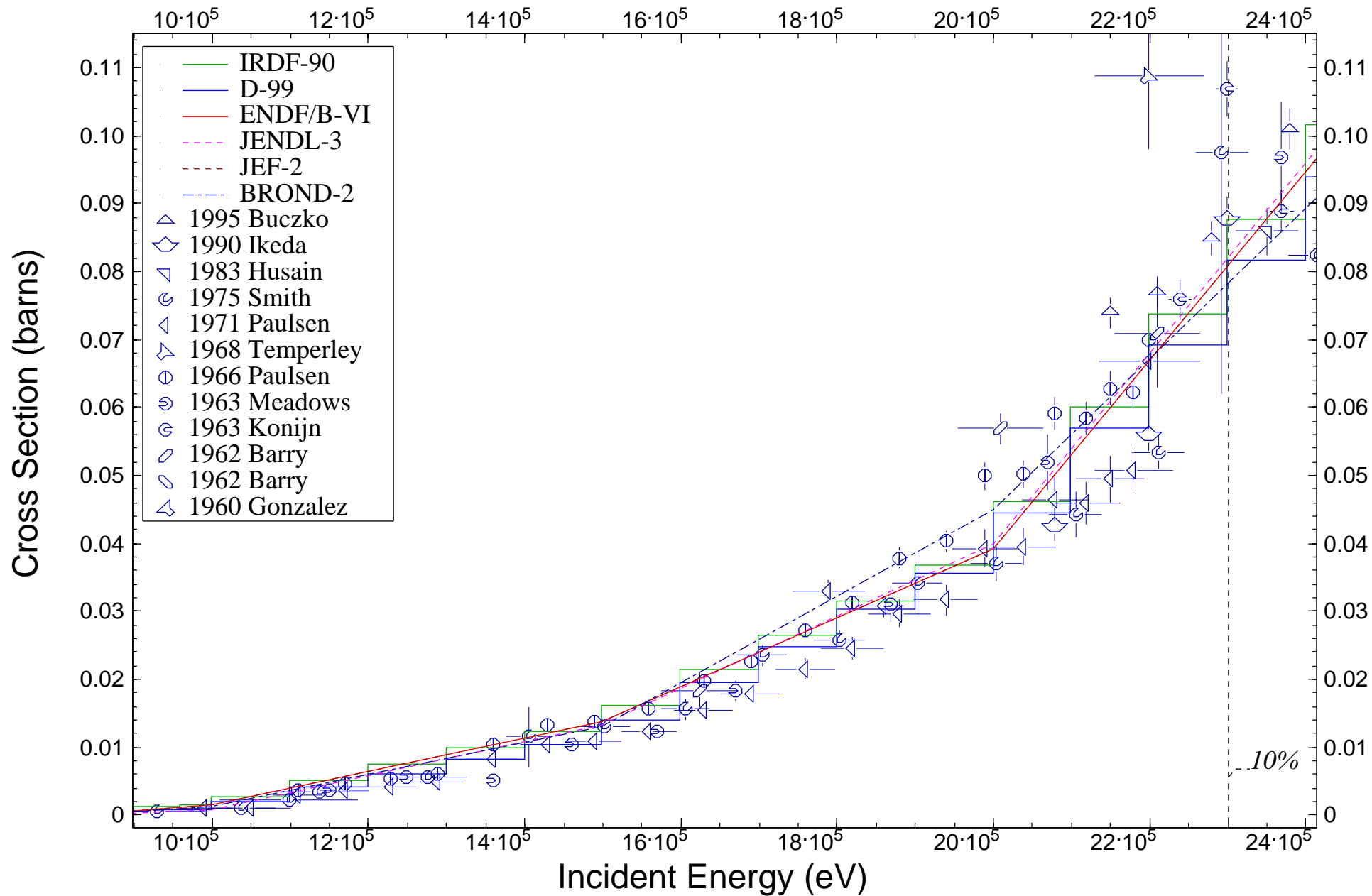
Cf-252						
	IRDF-90	D-99	ENDF/B-VI	JENDL-3	JEF-2	BROND-2
10%	2.40	2.50	2.40	2.40	2.40	2.40
50%	4.10	4.20	4.10	4.10	4.10	4.20
90%	6.90	7.00	6.90	6.80	6.90	7.00
ACS	1.16E-01	1.15E-01	1.16E-01	1.16E-01	1.16E-01	1.16E-01

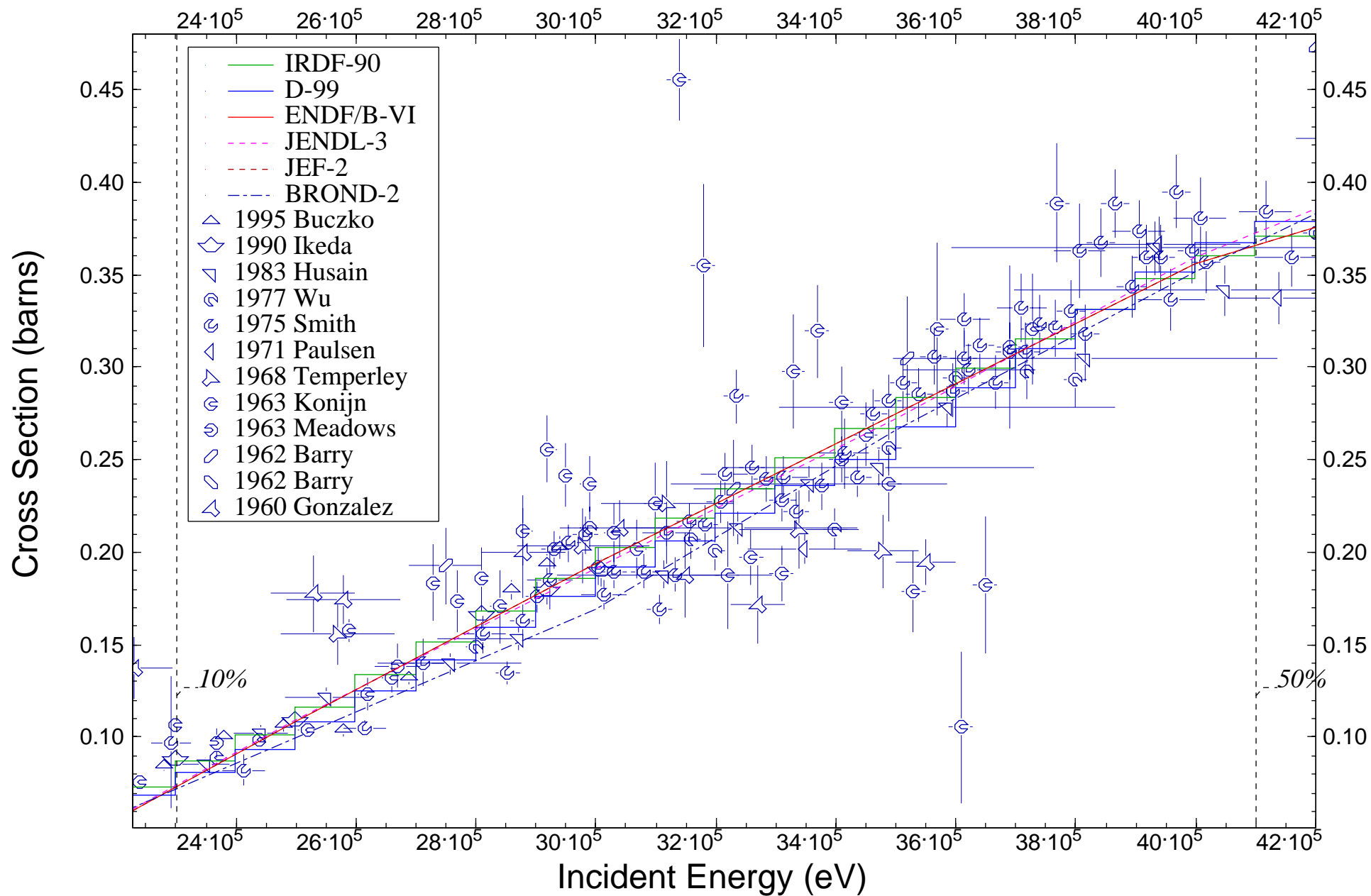
Tabl. 3

1.5+07	1.5+07	1	1USASTF	R,AFWL-TR-68-134	6903 R.C.BARRALL,	10022013
1.5+07	1.5+07	1	1USALRL 1USASTF	J,NP/A,138,387	6912 R.C.BARRALL,	10031007
4.4+05	4.0+06	37	1USAANL	J,NSE,58,314	7511 D.L.SMITH,	10238037
4.0+06	5.9+06	22	1USAANL	J,NSE,58,314	7511 D.L.SMITH,	10238038
5.4+06	9.9+06	10	1USAANL	J,NSE,58,314	7511 D.L.SMITH,	10238039
2.9+06	4.0+06	45	1USAANL	J,NSE,58,314	7511 D.L.SMITH,	10238040
4.0+06	4.0+06	1	1USAANL	J,NSE,58,314	7511 D.L.SMITH,	10238041
1.4+07	1.4+07	1	1USAGIT	J,BAP,15,1372(EH6)	7007 R.W.FINK,	10484004
1.3+07	1.7+07	5	1USAAUB 1USAALS	J,ANE,5,589	78 C.G.HUDSON,	10836005
1.5+07	1.5+07	1	1USAORL	R,ORNL-3672	6501 J.E.STRAIN,	11263022
1.4+07	1.5+07	3	1CANCRC	P,EANDC(CAN)-16,1	6301 W.G.CROSS,	11696011
1.4+07	1.5+07	1	1CANCRC	P,EANDC(CAN)-16,1	6301 W.G.CROSS,	11696013
2.2+06	1.5+07	12	1USANDL	J,NSE,32,195	68 J.K.TEMPERLEY	11761002
1.0+06	2.7+06	11	1USAANL	J,PR,130,2022	63 J.W.MEADOWS,	11763002
1.4+07	1.5+07	5	1USAANL	S,ASTM-STP-956,743	87 L.R.GREENWOOD	12977013
7.7+06	1.2+07	5	1USALAS 2AUSIRK	S,NEANDC-259,165	8909 H.VONACH,	13187002
5.3+06	9.9+06	10	1USAANL 2AUSIRK	C,91JUELIC,,282	9105 D.L.SMITH,	13513002
4.6+06	1.3+07	9	1USALAS 1USAANL	C,91JUELIC,,(O18)	9105 D.L.SMITH,	13514002
2.2+06	3.8+06	36	2SWDAE	J,NP,48,191	6310 J.KONIJN,	20056003
1.3+07	1.5+07	6	2JPNKTO	J,NP/A,93,74	6703 S.OKUMURA	20303004

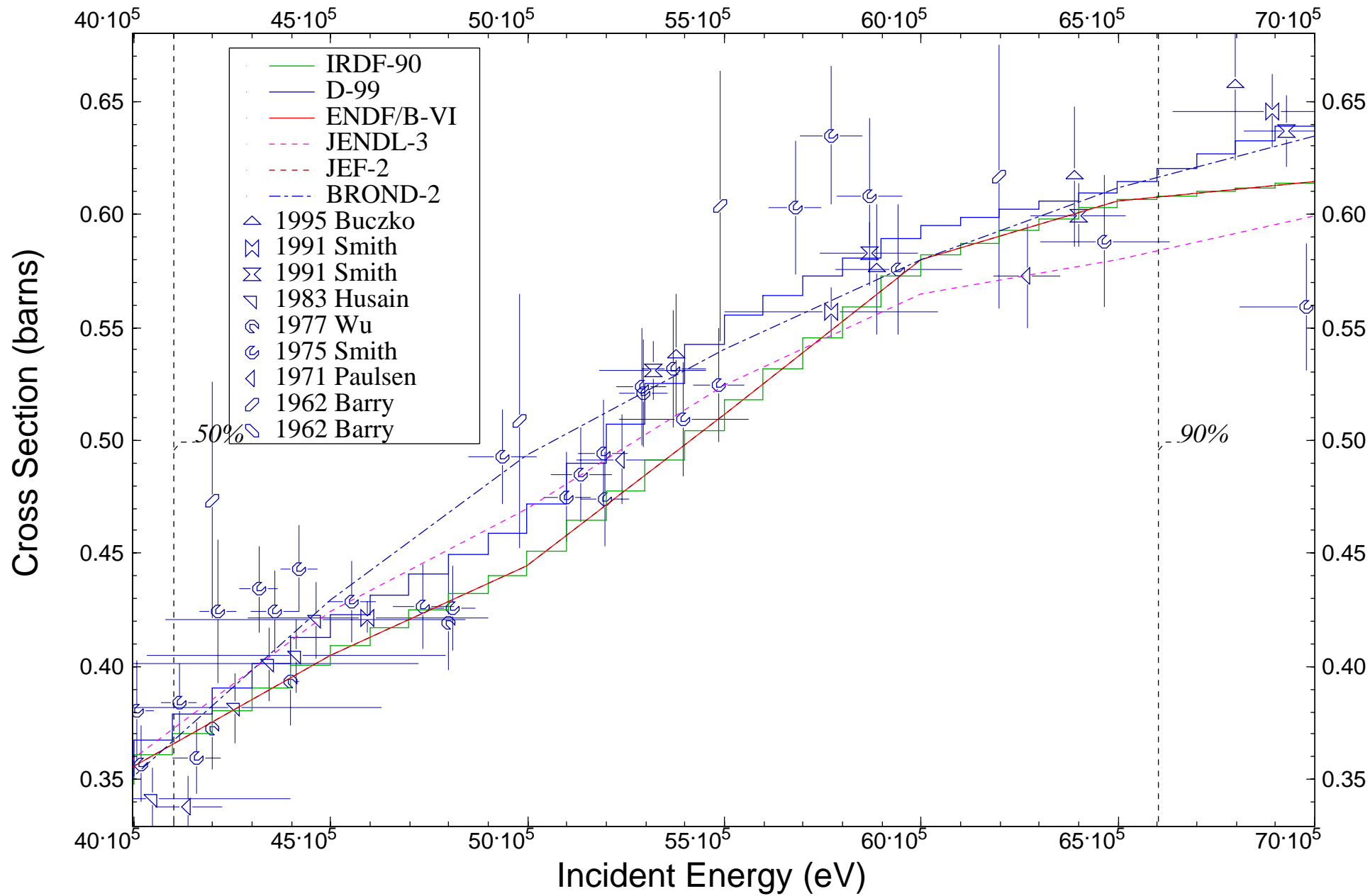
9.9+05	1.6+07	39	2ZZZGEL	C,71CANT,129	7109 A.PAULSEN,	20396004
1.5+07	1.5+07	1	2UK DUR	J,JNE,27,241	7304 J.D.HEMINGWAY	20527003
1.3+07	1.3+07	1	2GERHAM	J,ZN/A,21,988	6609 M.BORMANN,	20836011
1.5+07	1.5+07	1	2JAPKYU	P,NEANDC(J)-56/U,44	7809 K.FUKUDA,	20841004
1.3+07	2.0+07	10	2GERHAM	C,66PARIS,1,225	6704 M.BORMANN,	20898005
1.4+07	1.4+07	1	2GERHAM	P,EANDC(E)-66,42	6602 M.BORMANN,	20899002
8.4+06	8.4+06	1	2GERFRK	J,NP,70,89	6508 K.DEBERTIN,	20971006
1.4+07	1.4+07	1	2UK HAR	P,AERE-PR/NP-26,39	7903 M.T.SWINHOE,	20986006
1.4+07	1.4+07	1	2UK HAR	J,PPS/A,70,195	5703 D.L.ALLAN	21487012
9.9+05	2.2+06	23	2ZZZGEL	C,66PARIS,217	6610 A.PAULSEN,	21741004
2.3+06	4.5+06	17	2UK BIA	J,ARI,34,(4),731	83 H.A.HUSAIN,	21879004
1.3+07	1.5+07	16	2JPNJAE	R,JAERI-1312	88 Y.IKEDA,	22089048
1.4+07	1.4+07	1	2JPNKTO	C,88MITO,261	88 K.KOBAYASHI,	22093015
2.1+06	3.0+06	8	2JPNJAE	P,NEANDC(J)-155,11	9008 Y.IKEDA,	22191004
1.5+07	1.5+07	1	3POLLOU	P,INR-1464,12	7305 J.DRESLER,	30263009
2.8+06	4.8+06	12	3CHFSHI	J,NSE,63,268	7707 M.W.WU,	30363002
1.4+07	1.5+07	6	3HUNELU	T,NGOC	80 P.N.NGOC,	30562015
1.4+07	1.5+07	5	3HUNKOS	J,AK,23,45	8106 P.RAICS,	30604003
1.4+07	1.5+07	7	3MORMOH	P,MOH-5,10	82 M.VIENNOT,	30644008
8.5+06	8.5+06	1	3CPRAEP	R,INDC(CPR)-16	8909 LU HANLIN,	30733008
1.5+07	1.5+07	1	3RUMCIP	J,RRP,30,(8),673	85 I.GARLEA,	30804006
1.5+07	1.5+07	1	3CSRSLO	R,INDC(CSR)-7	8507 I.RIBANSKY,	30811003
7.1+06	9.9+06	7	3HUNKOS	J,AE,58,(2),128	8502 S.DAROCZY,	30814002
1.5+07	1.5+07	1	3BANSAV	R,INDC(BAN)-003	8609 N.I.MOLLA,	30825009
1.4+07	1.5+07	7	3MORRAB	J,NSE,108,289	9107 M.VIENNOT,	30979011
1.4+07	1.5+07	5	3BANSAV	C,91JUELIC,,355	9105 N.I.MOLLA,	30985013
1.4+07	1.4+07	1	3AULCBR	J,AUJ,12,103	59 K.H.PURSER,	31038002
1.4+07	1.4+07	1	3AULCBR	J,NP,29,309	62 R.N.GLOVER,	31107006
1.4+07	1.4+07	1	3AULCBR	J,NP,29,309	62 R.N.GLOVER,	31107007
1.4+07	1.5+07	7	3AULCBR	J,NP,29,309	62 R.N.GLOVER,	31107008
1.5+07	1.5+07	1	3AULCBR	J,NP,29,309	62 R.N.GLOVER,	31107009
1.5+07	1.5+07	1	3AULCBR	J,NP,29,309	62 R.N.GLOVER,	31107010
2.2+06	3.6+06	10	3CHLCHL	J,PR,120,1319	60 L.GONZALEZ,	31164002
1.4+07	1.4+07	1	3INDPOO	J,JP/GL,17,169	91 P.M.DIGHE,	31412005
1.8+07	1.9+07	1	3POLIPJ	J,JP/G,11,549	8503 J.RONDIO,	31414002
1.7+07	1.7+07	1	3POLIPJ	J,APP/B,18,1065	8711 J.RONDIO,	31415003
2.1+06	1.5+07	16	3HUNKOS	J,PR/C,52,(4),1940	9510 CS.M.BUCZKO,	31455002
5.4+06	1.2+07	12	3HUNKOS	J,PR/C,52,(4),1940	9510 CS.M.BUCZKO,	31455003
1.5+07	1.5+07	1	3RUMBUC	J,RRP,37,(1),19	92 I.GARLEA,	31459017
1.4+07	1.8+07	9	3CPRAEP	J,CST,11,(3),211	7707 HUANG JIANZHOU,	32585002
1.4+07	1.5+07	6	3CPRLNZ	J,PHE,16,(1),57	9201 YUAN JUNQIAN,	32592006
1.4+07	1.8+07	8	3CPRBIG 3CPRAEP	J,PHE,16,(2),151	9202 LI TINGYAN,	32593002
1.5+07	1.5+07	1	4CCPCCP	R,YK-9,50	72 G.N.MASLOV,	40136008
7.6+06	9.3+06	4	4CCPRI	P,YFI-26,25	7811 YU.A.NEMILOV,	40485004
7.1+06	9.9+06	7	4CCPFEI	J,AE,58,(2),128	8502 N.V.KORNILOV,	40702002
1.4+07	1.4+07	1	4CCPTIL	C,90LENING,,276	9004 L.I.KLOCHKOVA,	41036003
1.4+07	1.4+07	1	4RUSTIL	J,YK,,(1),27	92 L.I.KLOCHKOVA,	41118015
1.6+06	1.5+07	13	2UK ALD	J,JNE,16,467	62 J.F.BARRY	60431002
1.6+06	1.5+07	13	2UK ALD	J,JNE/AB,16,467	62 J.F.BARRY	68012002

$^{58}\text{Ni}(n,p)^{58}\text{Co}$ 

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