

94-Pu-239 (n, f)

$$T_{1/2} = 24110 \text{ y } 30$$

IRDF-90	- eval. - Apr 1989 P. Young, L. Weston, W. Poenitz.
D-99 (JENDL/D-99)	- eval. - Sep 1989 M. Kawai, T. Yoshida, K. Hida.
ENDF/B-VI	- eval. - Apr 1989 P. Young, L. Weston, W. Poenitz.
JENDL-3.2	- eval. - Mar 1987 M. Kawai, T. Yoshida, K. Hida.
JEF-2	- eval. - Sep 1990 E. Fort, H. Derrien, G. de Saussure.
BROND-2	- eval. - Sep 1980 V. Kon'Shin, E. Suchovitski, G. Antipov.
CENDL-2	- eval. - Dec 1990 L. Qichang, C. Chonghai.

Tabl. 1

U-235							
	IRDF-90	D-99	ENDF/B-VI	JENDL-3	JEF-2	BROND-2	CENDL-2
10%	4.25E-01	4.25E-01	4.25E-01	4.30E-01	4.25E-01	4.25E-01	4.30E-01
50%	1.60	1.60	1.65	1.65	1.65	1.60	1.60
90%	4.10	4.10	4.11	4.10	4.10	4.10	4.10
ACS	1.77	1.79	1.78	1.79	1.80	1.80	1.80

Tabl. 2

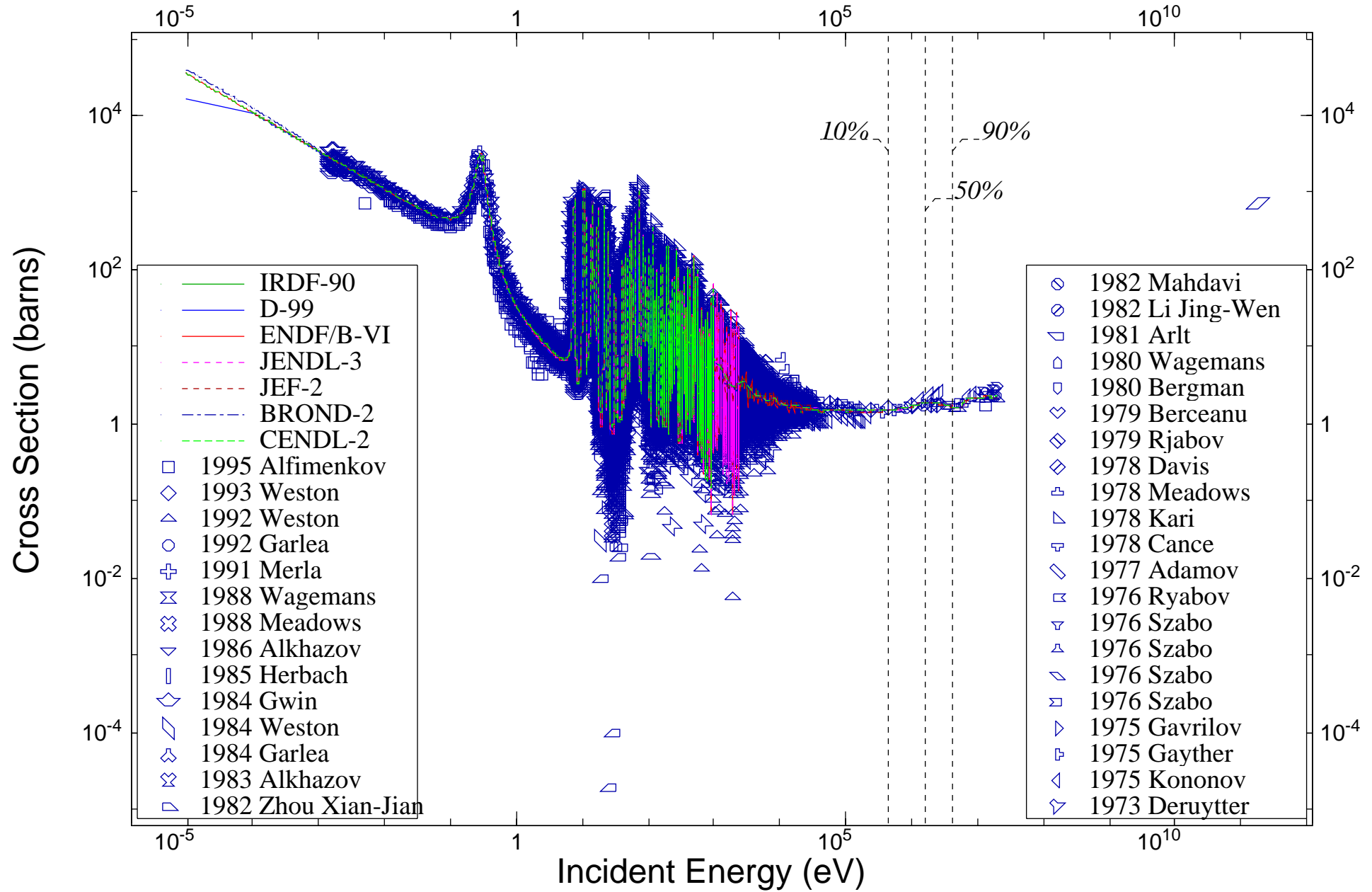
Cf-252							
	IRDF-90	D-99	ENDF/B-VI	JENDL-3	JEF-2	BROND-2	CENDL-2
10%	4.50E-01	4.50E-01	4.64E-01	4.72E-01	4.72E-01	4.60E-01	4.64E-01
50%	1.70	1.70	1.75	1.75	1.75	1.70	1.70
90%	4.40	4.40	4.40	4.40	4.40	4.40	4.41
ACS	1.77	1.80	1.79	1.80	1.80	1.80	1.81

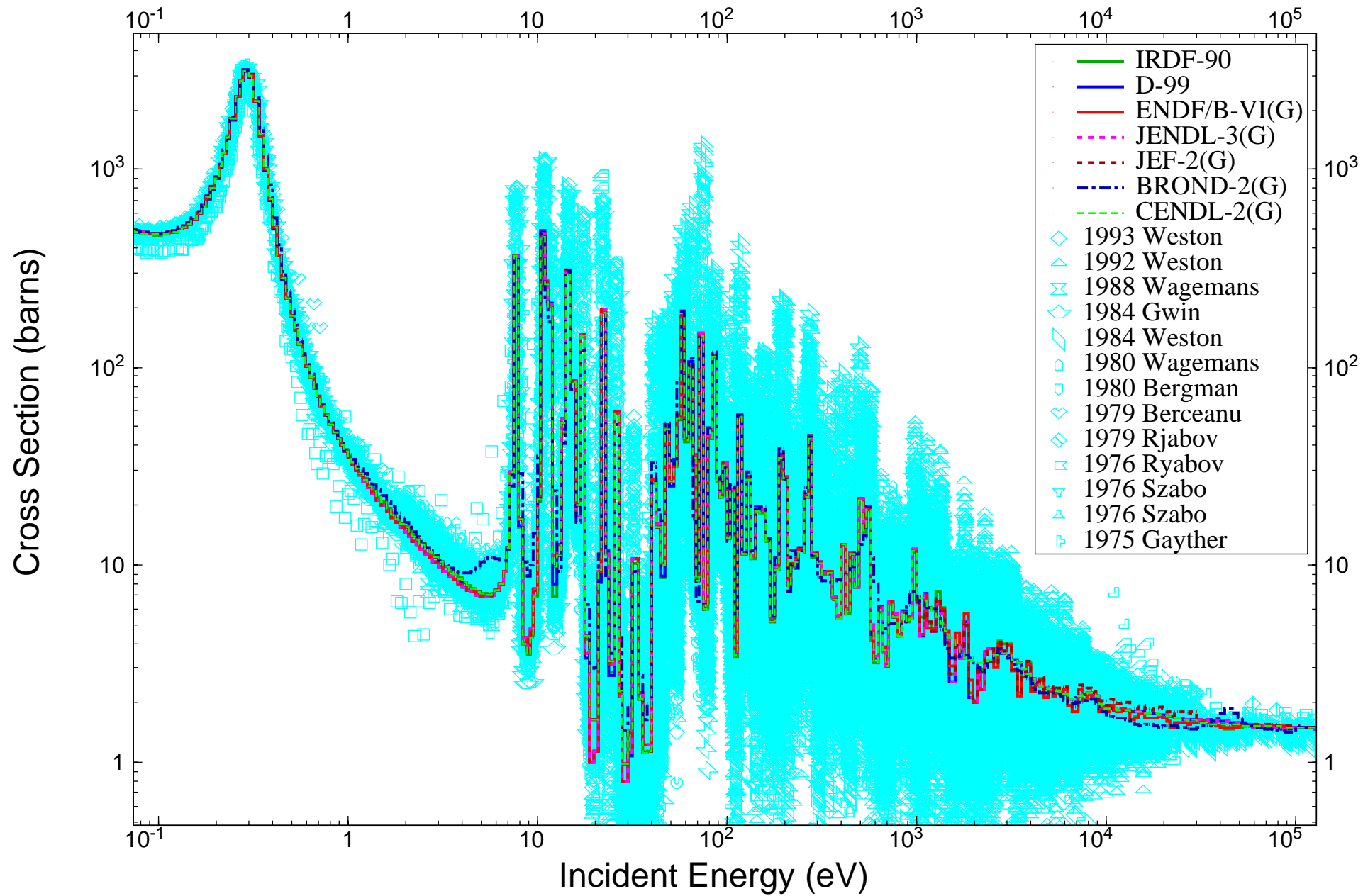
Tabl. 3

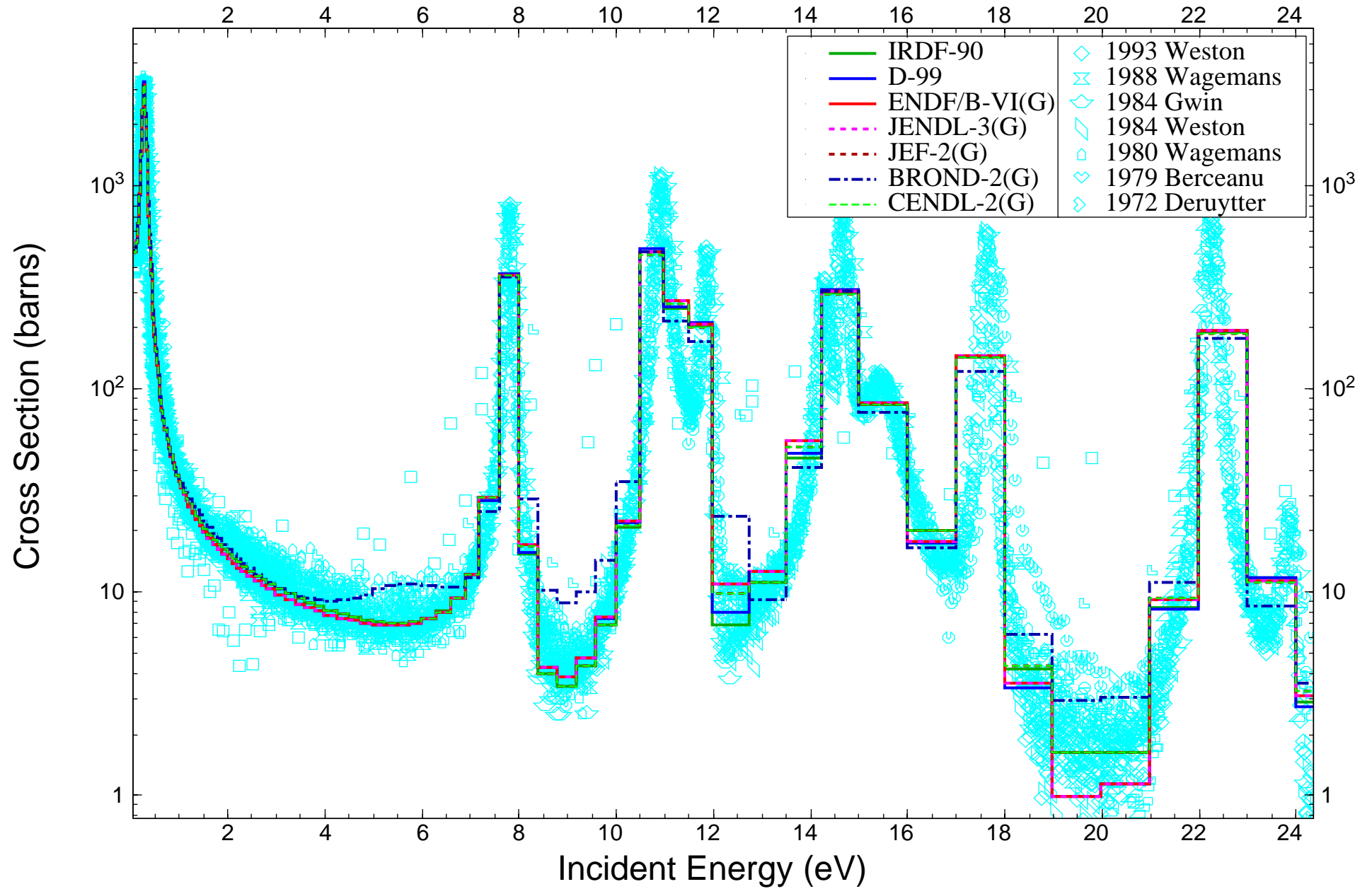
1.9-02 4.2+01	1317	1USAORL	J,NSE,45,25,197107	7107 R.Gwin,	10035008
3.9+01 2.0+03	2322	1USAORL	J,NSE,45,25,197107	7107 R.Gwin,	10035009
1.4+05 9.6+05	4	1USAMHG	J,ANE,5,569,78	7801 M.C.Davis,	10545002
1.5+05 9.9+06	73	1USAANL	J,NSE,68,360,7812	7812 J.W.Meadows	10734002
2.5-03 4.7-03	10	1USAHAN	R,HW-55879,3,5804	5804 E.J.Seppi,	11791005
1.4+07 1.4+07	1	1USALAS	R,LAMS-938,50	5001 W.Nyer	12306006
2.0+06 2.0+07	26	1USALAS	J,BAP,2,196(K4),5704	5704 R.K.Smith,	12316009
5.0+04 1.4+06	11	1USALAS	R,LA-2114,57	5701 R.L.Henkel	12321003
2.5-02 2.5-02	1	1CANCRG	C,58GENEVA,16,125,5809	5809 C.B.Bigham,	12356008
2.5-02 2.5-02	1	1CANCRG	C,66PARIS,2,17(2),6610	6610 R.W.Durham,	12428006
1.0-01 1.0-01	1	1USAHAN	P,HW-48893,98,5703	5703 B.R.Leonard Jr,	12434003
2.5+06 1.4+07	2	1USALAS	R,LA-1681,5406	5406 J.S.Wahl,	12437004
3.0+06 1.5+07	2	1USALAS	J,PR,162,1070,67	6701 D.M.Barton,	12490003
4.4+01 3.5+04	258	1USAANL	C,58GENEVA,15,127(687)	5809 L.M.Bollinger,	12502006
4.6-01 4.3+01	220	1USAANL	C,58GENEVA,15,127(687)	5809 L.M.Bollinger,	12502008
7.7+00 4.2+01	97	1USAANL	C,58GENEVA,15,127(687)	5809 L.M.Bollinger,	12502009
2.4-02 4.8-01	48	1USAANL	C,58GENEVA,15,127(687)	5809 L.M.Bollinger,	12502015
4.1-01 5.7-01	12	1USAANL	C,58GENEVA,15,127(687)	5809 L.M.Bollinger,	12502016
2.5-02 2.5-02	1	1USAORL	P,ORNL-2081,102,5611	5611 W.W.Pratt,	12509002
2.5-02 2.5-02	1	1CANCRG	R,CRGP-458,5101	5101 P.R.Tunncliffe	12515002
5.0-02 5.0-02	1	1CANCRG	R,CRGP-458,5101	5101 P.R.Tunncliffe	12515003
1.1-02 5.4-01	78	1CANCRG	R,CRGP-458,5101	5101 P.R.Tunncliffe	12515006
5.2-01 4.8+02	38	1USALAS	R,LA-266,4504	4504 E.E.Anderson,	12519006
5.0-03 2.5+00	143	1USAHAN	C,55GENEVA,4,193,55	5501 B.R.Leonard Jr	12522004
2.0+01 3.0+04	2867	1USALAS	C,66WASH,,979(FF12),66	6603 E.R.Shunk,	12523002
1.5+07 1.5+07	1	1USAMHG	C,82ANTWER,,58,8209	8209 M.Mahdavi,	12826003

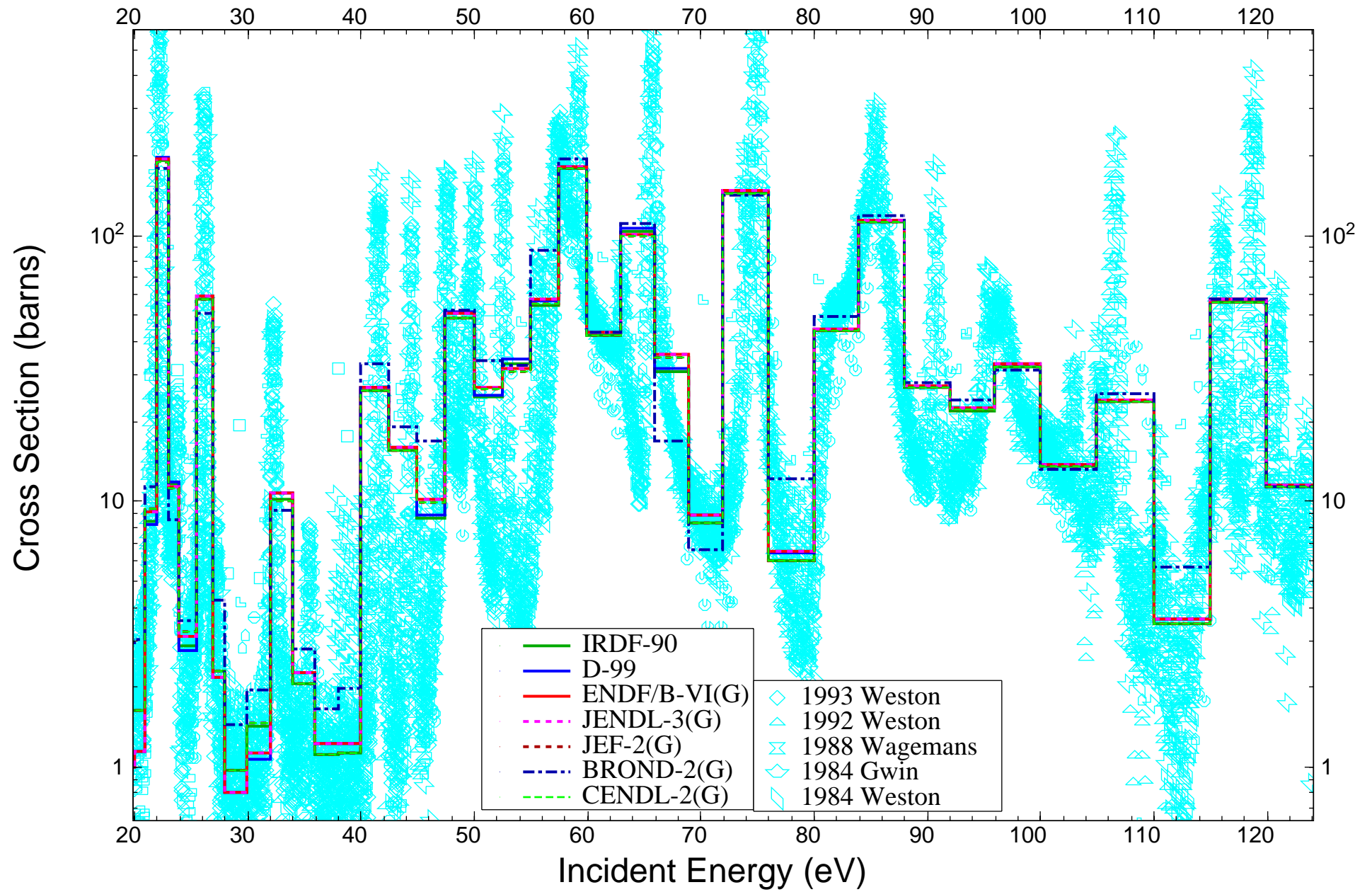
9.7+00 2.0+05	9692	1USAORL	J,NSE,88,567,198412	8412 L.W.Weston,	12877005
1.6-03 4.0+01	1527	1USAORL	J,NSE,88,37,8409	8409 R.Gwin,	12905003
1.5+07 1.5+07	1	1USAANL	J,ANE,15,421,8808	8808 J.W.Meadows	13134009
1.0+02 2.0+04	22139	1USAORL	J,NSE,111,415,9208	9208 L.W.Weston,	13488003
2.0-03 1.0+02	4424	1USAORL	J,NSE,115,164,9310	9310 L.W.Weston,	13548002
3.8+01 3.0+04	7289	2FRSAC	J,NSE,51,130,7306	7306 J.Blons	20001002
1.0+02 3.0+04	5302	2UKHAR	R,EANDC(UK)-96,68	6801 B.H.Patrick,	20002002
2.0-02 2.0+01	560	2ZZZGEL	J,JNE,26,293,7206	7206 A.J.Deruytter,	20132002
2.5-02 2.5-02	1	2ZZZGEL	J,JNE,27,9,645,7309	7309 A.J.Deruytter,	20143004
8.6-03 7.2-02	33	2ZZZGEL	J,JNE,27,9,645,7309	7309 A.J.Deruytter,	20143006
1.0+03 1.0+06	294	2UKHAR	C,75WASH,2,564,7503	7503 D.B.Gayther	20428002
3.5+04 9.7+05	21	2FRCAD	C,76ANL,208,7606	7606 I.Szabo,	20567003
1.2+04 2.0+05	15	2FRCAD	C,76ANL,208,7606	7606 I.Szabo,	20569003
8.1+05 2.6+06	20	2FRCAD	C,76ANL,208,7606	7606 I.Szabo,	20570003
2.4+04 2.4+04	1	2UKALD	J,JNE/AB,19,(6),423,65	6506 J.L.Perkin,	20584007
2.4+06 5.5+06	13	2FRCAD	C,76ANL,,208,7606	7606 I.Szabo,	20618003
1.4+07 1.5+07	2	2FRBRC	J,NSE,68,(2),197,7811	7811 M.Cance,	20779005
9.9+05 2.1+07	168	2GERKFK	C,78BNL,,781120	7811 K.Kari,	20786004
2.1+04 2.1+04	1	2NEDAMS	T,PAUW,7011	7011 H.Pauw	20868019
8.3+00 1.0+01	57	2UKHAR	R,AERE-M-1709,,6609	6609 F.D.Brooks,	20917023
1.6+00 6.0+00	280	2UKHAR	R,AERE-M-1709,,6609	6609 F.D.Brooks,	20917024
6.8-03 6.9+02	175	2UKHAR	J,JNE,2,177,56	5601 R.Richmond,	21031002
3.0+04 3.0+06	22	2UKHAR	J,PPS/A,70,573,57	5701 W.D.Allen,	21075005
4.3-03 9.8-01	56	2FRSAC	J,JNE,1,306,5506	5506 J.M.Auclair,	21082007
1.0+03 1.5+04	99	2UKHAR	C,66ANL,,16,6610	6610 G.D.James,	21090002
1.0+06 1.4+07	4	2UKALD	J,JNE,21,671,6708	6708 P.H.White,	21195007
1.3+07 1.9+07	13	2UKALD	J,JNE,14,85,61	6101 B.Adams,	21209004
4.0+04 5.5+05	5	2UKALD	C,65SALZBURG,1,219,650	6503 P.H.White,	21463006
1.4+07 1.4+07	1	2UKHAR	R,AERE-NP/R-1996,,5606	5606 C.A.Uttley,	21468005
2.5-02 2.5-02	1	2UKHAR	R,AERE-R-2998,,5907	5907 J.F.Raffle	21471009
0.0+00 1.9+11	3	2UKALD	C,66PARIS,2,29,6610	6610 P.H.White,	21494004
2.0+06 2.0+06	1	2FRSAC	C,55GENEVA,4,425,5508	5508 D.Szteinsznaider,	21515002
3.2-02 6.3-02	2	2ZZZISP	C,65SALZBURG,1,255,650	6503 G.Fraysse,	21520005
2.5-02 2.5-02	1	2ZZZISP	C,65SALZBURG,1,255,650	6503 G.Fraysse,	21520007
2.5-02 2.5-02	1	2ZZZISP	C,65SALZBURG,1,255,650	6503 G.Fraysse,	21520008
2.5-02 2.5-02	1	2ZZZISP	C,65SALZBURG,1,255,650	6503 G.Fraysse,	21520009
2.2-02 3.0+04	6376	2BLGMOL	J,ANE,7,9,495,80	8001 C.Wagemans,	21704003
3.2-02 2.8-01	4	2FRSAC	R,CEA-R-2775,6504	6504 G.Fraysse,	21780003
2.0-03 2.0+01	514	2ZZZGEL	C,88MITO,91,88	8801 C.Wagemans,	22080004
4.9+06 1.9+07	3	2GERDRE	C,91JUELIC,,510,9105	9105 K.Merla,	22304005
1.5+07 1.5+07	1	2GERDRE	C,91JUELIC,,510,9105	9105 K.Merla,	22304009
1.4+07 1.4+07	1	3INDTRM	C,69ROORKEE,2,289,6912	6912 R.H.Iyer,	30035006
1.5+07 1.5+07	1	3DDRTUD	J,KE,24,48,8102	8102 R.Arlt,	30475005
9.1-03 7.2-01	213	3RUMBUC	J,RRP,24,(5),437,79	7901 I.Berceanu,	30525002
1.5+07 1.5+07	1	3CPRAEP	C,82ANTWER,,55,8209	8209 Li Jing-Wen,	30634003
1.0+06 5.6+06	16	3CPRAEP	J,CNP,4,(2),131,8205	8205 Zhou Xian-Jian,	30670002
4.8+06 4.8+06	1	3DDRTUD	J,IP,21,344,85	8501 C.M.Herbach,	30706004
8.7+06 8.7+06	1	3DDRTUD	J,IP,21,344,85	8501 C.M.Herbach,	30706005
1.9+07 1.9+07	1	3DDRTUD	J,IP,21,344,85	8501 C.M.Herbach,	30706006
1.5+07 1.5+07	1	3RUMPIT	J,RRP,29,421,84	8401 I.Garlea,	30813010
1.5+07 1.5+07	1	3RUMBUC	J,RRP,37,(1),19,92	9201 I.Garlea,	31459023
1.2-02 9.7+02	237	4ZZZDUB	C,55GENEVA,4,259,5508	5508 Ju.V.Adamchuk,	40063013
5.6+00 2.3+04	1396	4ZZZDUB	R,JINR-2713,6605	6605 Yu.V.Ryabov,	40104010
2.0+02 3.5+04	26	4CCPFEI	R,YFI-13,6,72	7201 V.B.Chelnokov,	40105003

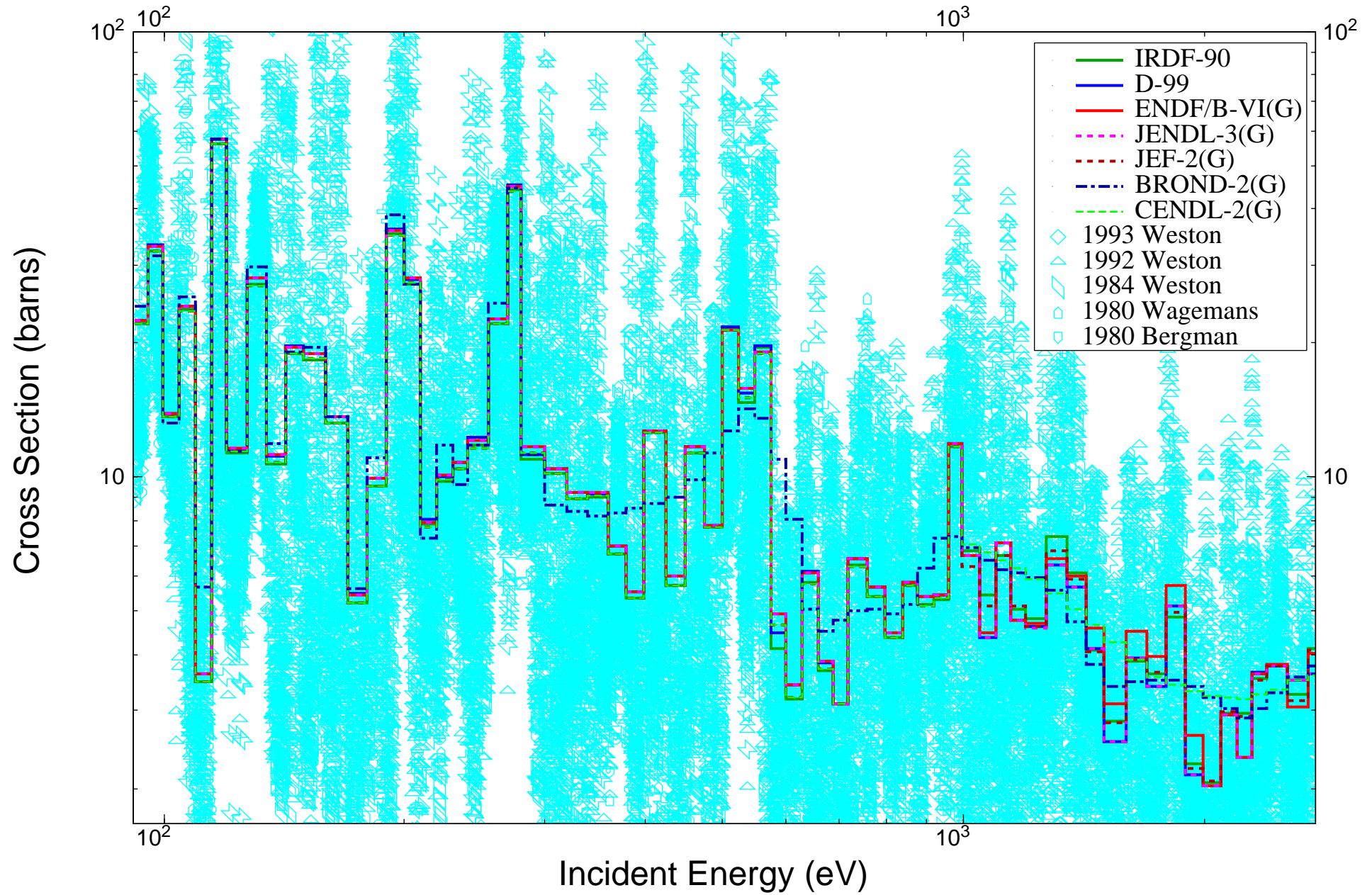
3.2+00 3.0+01	19	4CCPITE	J,AE,16,(2),110,6402	6402 K.G.Ignat Ev,	40156006
3.2+03 1.3+04	11	4CCPJIA	J,AE,41,(1),45,7607	7607 Ju.V.Ryabov	40312005
3.0+04 5.0+06	5	4CCPKUR	J,AE,2,(1),10,5701	5701 G.A.Dorofeev,	40355004
2.0+04 8.0+04	7	4CCPFEI	J,AE,38,(2),81,7502	7502 V.N.Kononov,	40412006
2.5-02 2.5-02	1	4CCPNIR	J,AE,41,185,7509	7509 V.D.Gavrilov,	40467002
4.0+03 1.0+05	17	4CCPJIA	J,AE,46,(3),154,7903	7903 Ju.V.Rjabov	40487003
3.1+03 9.2+04	34	4CCPJIA	J,AE,46,(3),154,7903	7903 Ju.V.Rjabov	40487004
3.1+03 1.2+04	11	4CCPJIA	J,AE,46,(3),154,7903	7903 Ju.V.Rjabov	40487005
3.2+03 3.5+04	27	4CCPJIA	J,AE,46,(3),154,7903	7903 Ju.V.Rjabov	40487006
1.5+07 1.5+07	1	4CCPRI	R,YK-24,8,7702	7702 V.M.Adamov,	40547009
2.9+05 2.5+06	44	4CCPFEI	J,AE,13,366,62	6201 G.N.Smirenkin,	40650003
1.6+03 1.4+06	42	4CCPKUR	J,DOK,157,(3),561,64	6401 S.M.Dubrovina,	40716003
3.0+06 8.3+06	13	4CCPKUR	C,58GENEVA,16,136(2149	5809 S.P.Kalinin,	40741006
1.0+02 4.9+04	68	4CCPJIA	J,YK,1/36,3,8003	8003 A.A.Bergman,	40751002
1.5+07 1.5+07	1	4CCPRI	C,83MOSKVA,2,201,83	8301 I.D.Alkhazov,	40911007
1.9+06 1.9+07	4	4CCPRI	J,YK,,(4),19,8612	8612 I.D.Alkhazov,	40927005
5.2-03 5.2-03	1	4ZZZDUB	J,YF,58,(5),799,9505	9505 V.P.Alfimenkov,	41174006
6.8+05 3.4+06	40	2FRSAC	J,JPR,17,565,56	5601 F.Netter,	60496010

$^{239}\text{Pu}(n,f)$ 

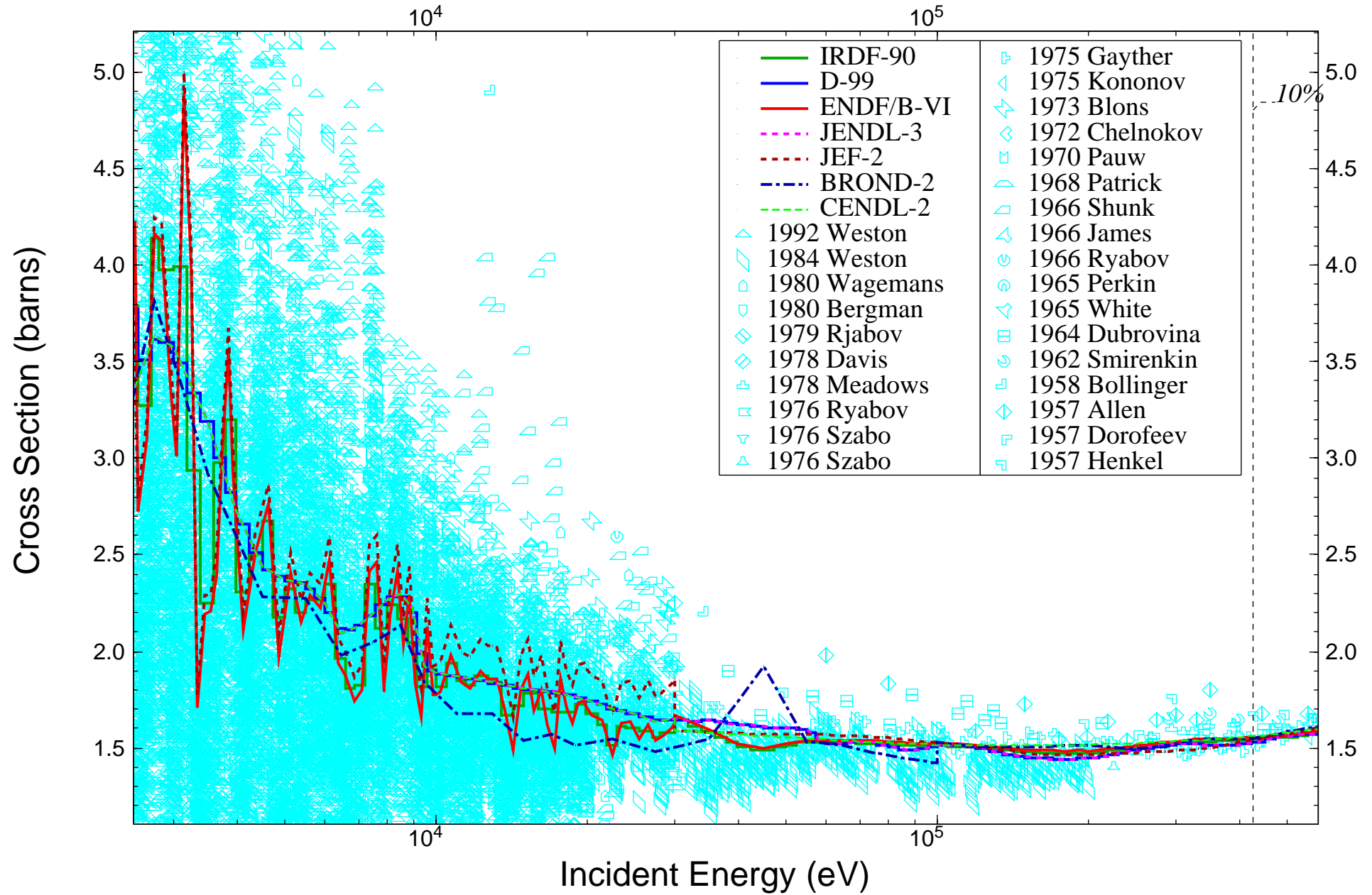
$^{239}\text{Pu}(n,f)$ 

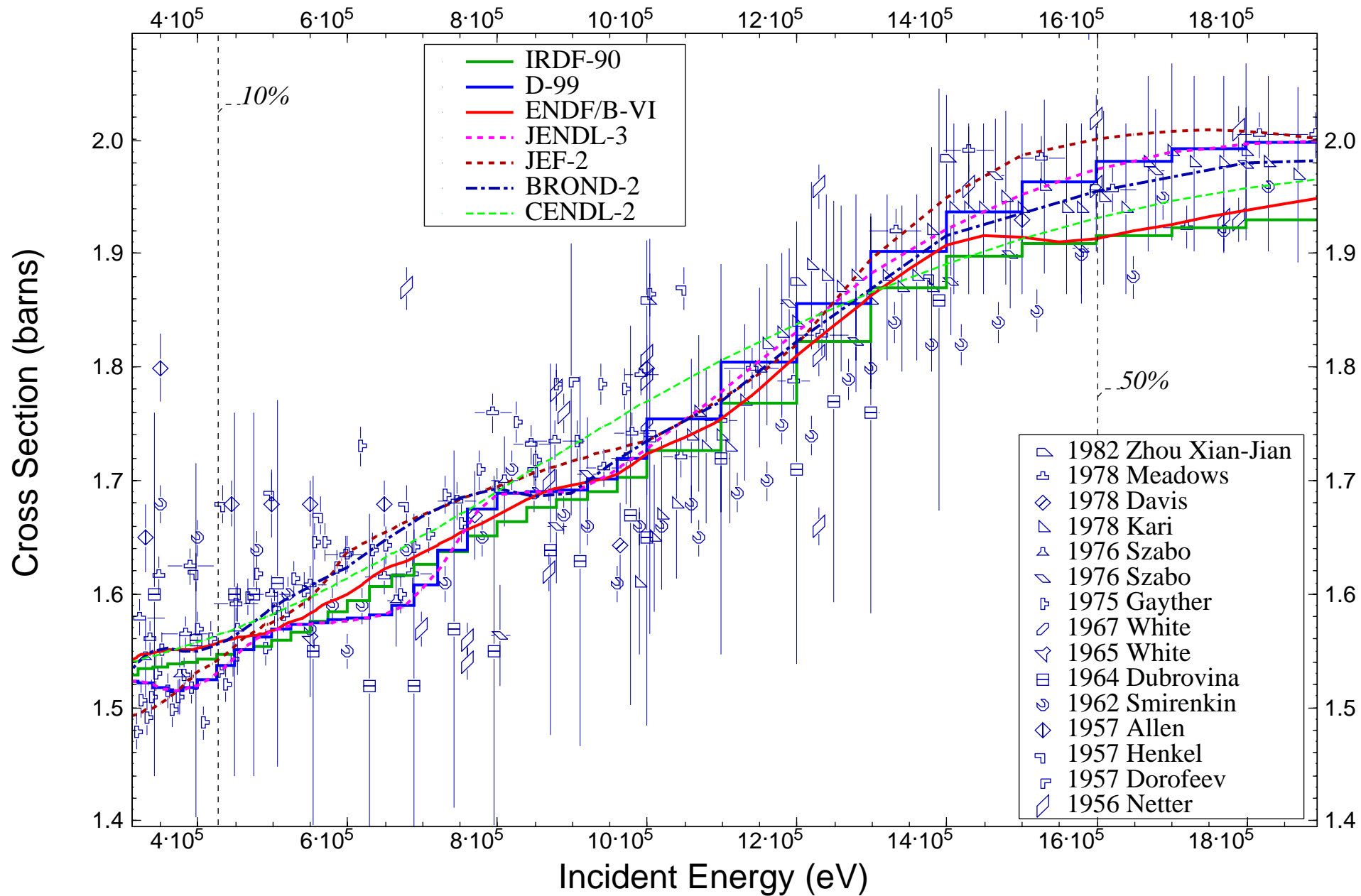
$^{239}\text{Pu}(n,f)$ 

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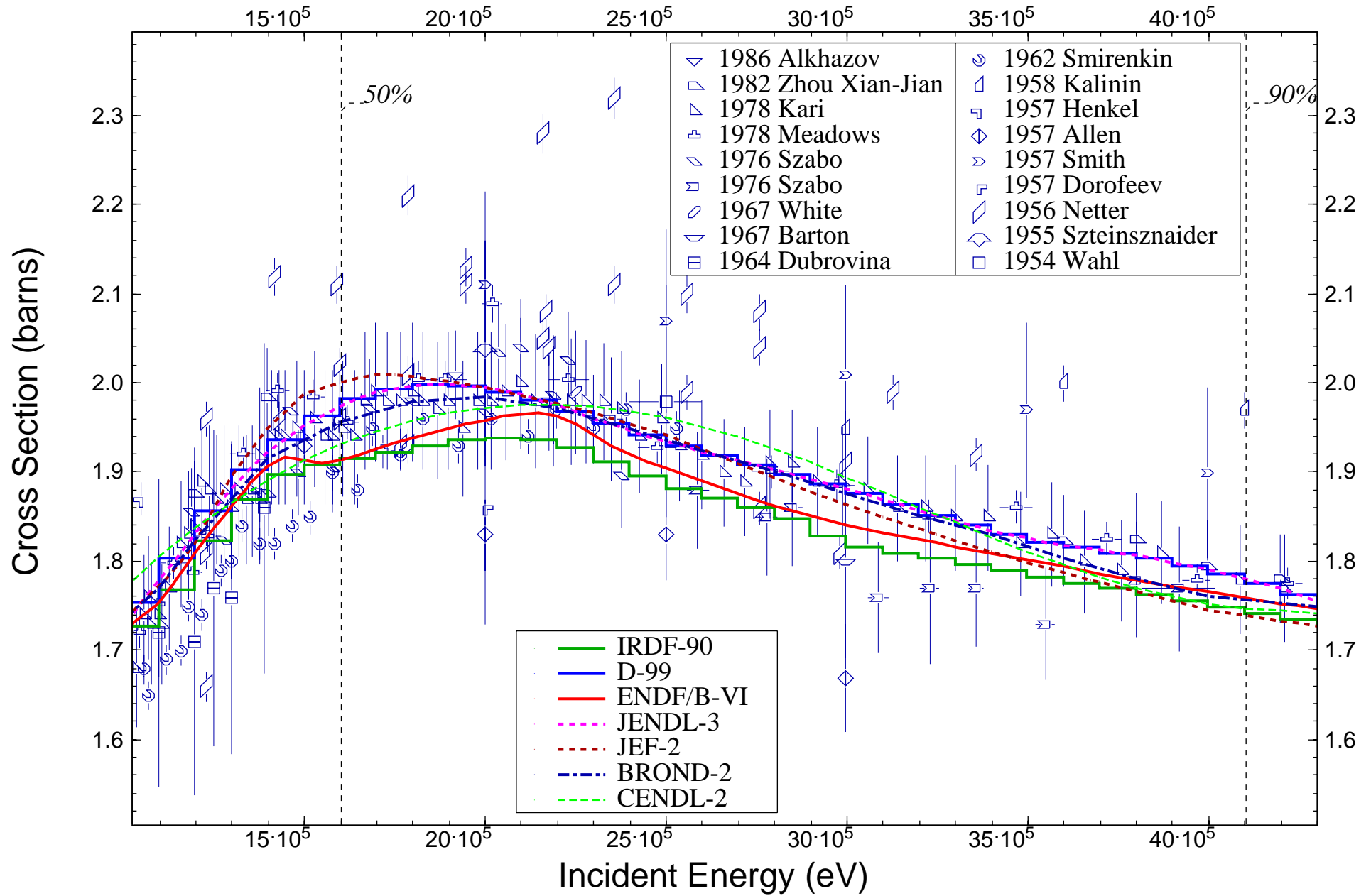
$^{239}\text{Pu}(n,f)$ 

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$^{239}\text{Pu}(n,f)$ 