

15-P-31 (n, p) 14-Si-31

Abundance (%) = 100
 Q = -0.70968 MeV E_{thr} = 0.73280 MeV
 T_{1/2} = 157.3 m3
 E_{β⁻} = 1490.5 keV I_{β⁻} = 99.93 β⁻

IRDF-90 - eval. - Jun 1991 M. Wagner et al.
 D-99 (JENDL/D-99) - eval. - Jan 1996 N. Odano.
 ENDF/B-VI - eval. - Oct 1977 R. Howerton.
 JENDL-3.2 - eval. - May 1987 H. Nakamura.
 JEF-2 - eval. - May 1987 H. Nakamura.
 BROND-2 - eval. - May 1989 V. Koscheev.
 CENDL-2 - eval. - Mar 1986 Z. Youngyi, S. Yi.

Tabl. 1

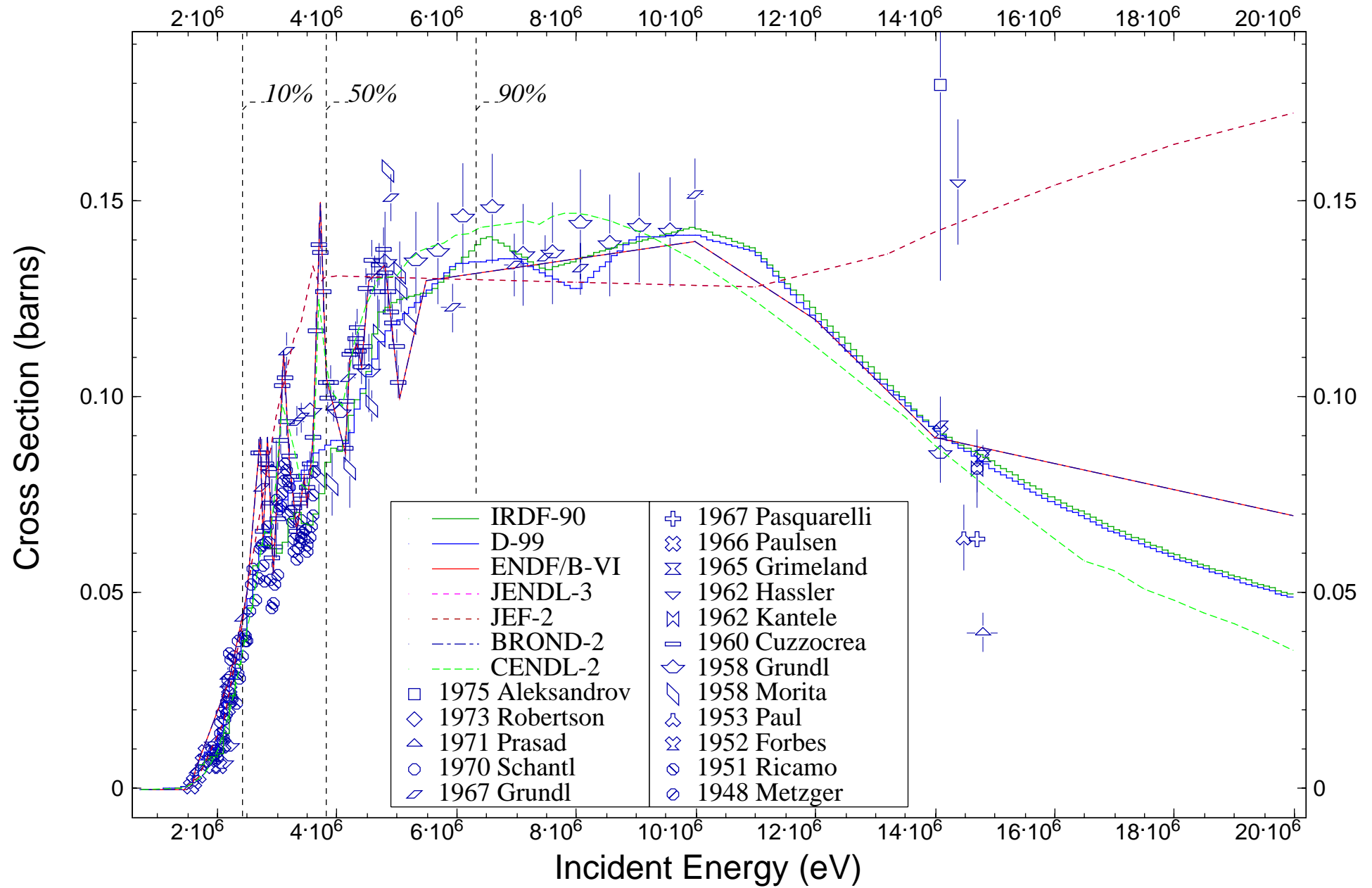
U-235							
	IRDF-90	D-99	ENDF/B-VI	JENDL-3	JEF-2	BROND-2	CENDL-2
10%	2.40	2.40	2.30	2.40	2.40	2.30	2.50
50%	3.80	3.70	3.61	3.60	3.60	3.61	3.80
90%	6.30	6.20	6.10	5.90	5.90	6.10	6.20
ACS	2.74E-02	2.89E-02	3.23E-02	3.54E-02	3.54E-02	3.23E-02	3.08E-02

Tabl. 2

Cf-252							
	IRDF-90	D-99	ENDF/B-VI	JENDL-3	JEF-2	BROND-2	CENDL-2
10%	2.40	2.40	2.30	2.50	2.50	2.30	2.50
50%	4.00	3.80	3.72	3.70	3.70	3.72	3.90
90%	6.60	6.50	6.40	6.20	6.20	6.40	6.50
ACS	3.07E-02	3.22E-02	3.58E-02	3.92E-02	3.92E-02	3.58E-02	3.44E-02

Tabl. 3

1.7+06	1.4+07	17	1USALAS	J,NSE,30,39	1967 J.A.GRUNDL	10417005
1.5+07	1.5+07	1	2UK NPL	J,JNE,27,531	1973 J.C.ROBERTSON,	20799009
1.9+06	3.6+06	88	2SWTETH	J,NC,8,383	1951 R.RICAMO,	21168004
1.6+06	2.2+06	15	2ZZZGEL	C,66PARIS,217	1966 A.PAULSEN,	21741002
1.5+07	1.5+07	1	3INDMUA	J,NC/A,3,(3),467	1971 R.PRASAD,	30336008
1.5+07	1.5+07	1	2NOROSL	J,PR/B,137,878	1965 B.GRIMELAND,	20106005
1.5+07	1.5+07	1	1USAARK	J,NP,35,353	1962 J.KANTELE,	11196009
3.0+06	3.0+06	1	2SWTBAS	J,HPA,21,278	1948 F.METZGER,	21236002
2.7+06	5.0+06	53	2ITYCAT	J,NC,16,450	1960 P.CUZZOCREA,	21220002
3.2+06	5.2+06	10	2JPNKYU	J,JPJ,13,431	1958 W.MORITA	20284002
1.4+07	1.4+07	1	1USALAS	J,PR,88,1309	1952 S.G.FORBES	11474004
1.6+06	5.7+06	12	1USALAS	J,PR,109,425	1958 J.A.GRUNDL,	11481003
6.1+06	9.6+06	8	1USALAS	J,PR,109,425	1958 J.A.GRUNDL,	11481004
1.4+07	1.4+07	1	1USALAS	J,PR,109,425	1958 J.A.GRUNDL,	11481005
1.5+07	1.5+07	1	2ITYTUR	J,NP/A,93,218	1967 A.PASQUARELLI	20889012
1.4+07	1.4+07	1	4CCPTIL	J,AE,39,137	1975 D.V.ALEKSANDROV,	40433007
1.4+07	1.5+07	1	1CANCRC	J,CJP,31,267	1953 E.B.PAUL,	11274015
1.4+07	1.4+07	1	1USABRN	J,PR,125,1011	1962 F.L.HASSLER,	11492009
1.5+07	1.5+07	1	2AUSIRK	T,SCHANTL	1970 W.SCHANTL	21846019

$^{31}\text{P}(n,p)^{31}\text{Si}$ 

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