

11-Na-23 (n, 2n) 11-Na-22

Abundance (%) = 100
 Q = -12.41881 MeV E_{thr} = 12.96367 MeV
 $T_{1/2}$ = 2.6019 y 4
 E_{γ} = 1274.53 \pm 0.02 keV I_{γ} = 99.944 \pm 0.014 β^+

D-99 (JENDL/D-99) - eval. - Aug 1996 S. Ywasaki.
 ENDF/B-VI - eval. - Dec 1977 D. Larson.
 JENDL-3.2 - eval. - Mar 1987 H. Yamakoshi.
 JEF-2 - eval. - Mar 1987 H. Yamakoshi.
 BROND-2 - eval. - 1987 M. Nikolaev, V. Koscheev et al.
 CENDL-2 - eval. - Apr 1983 X. Zhi-Zheng.

Tabl. 1

U-235						
	D-99	ENDF/B-VI	JENDL-3	JEF-2	BROND-2	CENDL-2
10%	13.80	13.80	13.60	13.50	13.70	13.80
50%	15.00	15.20	14.90	14.90	15.10	15.10
90%	16.90	16.90	16.80	16.80	16.90	16.90
ACS	2.73E-06	4.11E-06	2.58E-06	2.61E-06	4.64E-06	2.98E-06

Tabl. 2

Cf-252						
	D-99	ENDF/B-VI	JENDL-3	JEF-2	BROND-2	CENDL-2
10%	13.90	13.90	13.60	13.60	13.70	13.90
50%	15.10	15.30	15.00	15.00	15.20	15.20
90%	17.00	17.10	17.00	17.00	17.10	17.00
ACS	7.21E-06	1.10E-05	6.76E-06	6.83E-06	1.23E-05	7.91E-06

Tabl. 3

1.5+07	1.5+07	1	3POLLOU	P,INR-1464,14	1973 J.ARMINOWICZ,	30264004
1.3+07	1.9+07	6	3CPRFUD	J,CNST,2,(3),153	1991 XU ZHI-ZHENG,	30992002
1.3+07	1.5+07	3	3CPRLNZ	R,INDC(CPR)-036/L,5	1995 KONG XIANGZHONG,	31485009
1.5+07	1.8+07	6	3POLIBJ	J,ANE,7,(7),397	1980 L.ADAMSKI,	30515002
1.5+07	1.5+07	1	1USASTF	R,AFWL-TR-68-134	1969 R.C.BARRALL,	10022003
1.3+07	1.9+07	7	1USALOK 1USASTF	J,PR,163,1308	1967 H.O.MENLOVE,	11421003
1.8+07	3.8+07	5	2JPNTOH	S,JAERI-M-92-027,354	1992 T.S.SOEWARSONO,	22335003
1.3+07	1.5+07	3	3CPRLNZ	J,PHE,19,(9),781	1995 KONG XIANGZHONG,	32514006
1.3+07	1.5+07	8	2JPNJAE	R,JAERI-1312	1988 Y.IKEDA,	22089003
1.4+07	1.4+07	1	4RUSRI	R,RI-252	1999 A.A.FILATENKOV,	41298002
1.4+07	1.5+07	7	4RUSRI	R,RI-252	1999 A.A.FILATENKOV,	41240004
1.5+07	1.5+07	1	3ISLNEG	R,INIS-MF-3663,83	1976 G.SHANI	30447006
1.4+07	1.4+07	1	1USALAS	J,PR,98,47	1955 R.J.PRESTWOOD	11391002
1.3+07	1.8+07	6	3CPRAEP	J,CNP,14,(1),83	1992 LU HANLIN,	32599002
1.5+07	1.5+07	1	1USAARK	T,SIGG	1976 R.A.SIGG	10776015
1.5+07	2.1+07	6	2FR SAC	J,NP,63,673	1965 J.PICARD,	20892007
1.3+07	2.0+07	23	2ZZZGEL	J,NP,63,393	1965 H.LISKIEN,	20926003
1.4+07	1.5+07	2	4RUSEPA	R,YK-9,50	1972 G.N.MASLOV,	40136002

$^{23}\text{Na}(n,2n)^{22}\text{Na}$ 