

33-As-75 (n, 2n) 33-As-74

Abundance (%) = 100 %

Q = -10.24426 MeV

E_{thr} = 10.38217 MeV

T_{1/2} = 17.77 d 2

E_γ = 595.83 ± 0.08 keV

I_γ = 59.4 ± 3.5

EC+β⁺

E_γ = 634.78 ± 0.08 keV

I_γ = 15.48 ± 1.16

β⁻

RRDF-98

- eval. - Sep 1997 K. Zolotarev et al.

JENDL-3.2

- eval. - Mar 1990 JNDC FP Nuclear Data W.G.

Tabl. 1

U-235		
	RRDF-98	JENDL-3
10%	11.35	11.20
50%	12.65	12.60
90%	14.90	14.90
ACS	2.699E-04	2.601E-04

Tabl. 2

Cf-252		
	RRDF-98	JENDL-3
10%	11.40	11.30
50%	12.80	12.80
90%	15.20	15.20
ACS	5.891E-04	5.666E-04

Tabl. 3

1.4+07 1.5+07	2	2AUSIRK	J,APA,23,44	1966 P.HILLE,	20034002
1.4+07 1.4+07	1	2SPNVLD	J,ARS,72,(3),186	1976 J.L.CASANOVA,	20748021
1.4+07 1.4+07	1	3INDAUW	J,NP/A,138,85	1969 P.RAMA PRASAD,	30088002
1.5+07 1.5+07	1	3POLLOU	P,INR-1464,14	1973 J.ARMINOWICZ,	30264021
1.3+07 2.0+07	10	2GERHAM	J,NP/A,115,309	1968 M.BORMANN,	20834003
1.5+07 1.5+07	1	3HUNDEB	J,AHP,23,87	1967 J.CSIKAI,	30119007
1.5+07 1.5+07	1	2AUSIRK	J,OSA,108,185	1971 I.WAGNER,	21426008
1.1+07 1.5+07	3	2GERJUL	J,NSE,116,125	1994 I.BIRN,	22291004
1.5+07 1.5+07	1	2GERJUL	J,NP/A,185,614	1972 S.M.QAIM	20536014
1.4+07 1.4+07	1	1USAGIT	J,PR/C,3,629	1971 P.VENUGOPALA RAO,	10157002
1.5+07 1.5+07	1	1USAARK	T,SIGG	1976 R.A.SIGG	10776027
1.4+07 1.5+07	1	1CANCRC	J,CJP,31,267	1953 E.B.PAUL,	11274052
1.4+07 1.4+07	1	2UK BIA	J,JIN,35,2085	1973 C.T.SIMPSON,	20349002
1.2+07 2.0+07	10	1USALAS	J,PR,121,1438	1961 R.J.PRESTWOOD,	11645009
1.4+07 1.4+07	1	2FR BRC	R,EANDC(E)-49L,83	1963 B.GRANGER,	21514003
1.4+07 1.4+07	1	4CCPCCP	J,YF,15,(6),1099	1972 D.V.VIKTOROV,	40107004

$^{75}\text{As}(n,2n)^{74}\text{As}$ 