

39-Y-89 (n, 2n) 39-Y-88

Q = -11.47645MeV	E _{thr} = 11.60666 MeV	
T _{1/2} = 106.65 d 4		
E _γ = 898.042 ± 0.003 keV	I _γ = 93.68 ± 0.30	β ⁺
E _γ = 1836.063 ± 0.012 keV	I _γ = 99.24 ± 0.31	β ⁺

IRDF-90	- eval. - Jan 1986 R. Howerton, A. & D. Smith.
D-99 (JENDL/D-99)	- eval. - Jan 1996 N. Odano.
ENDF/B-VI	- eval. - Jan 1986 R. Howerton, A. & D. Smith.
JENDL-3.2	- eval. - Mar 1990 JNDC FP Nuclear Data W. G.
JEF-2	- eval. - Jan 1986 R. Howerton, A. & D. Smith.

Tabl.1

U-235					
	IRDF-90	D-99	ENDF/B-VI	JENDL-3	JEF-2
10	12.40	12.30	12.40	12.40	12.40
50	13.60	13.60	13.60	13.60	13.60
90	15.70	15.70	15.75	15.70	15.75
ACS	1.34E-04	1.34E-04	1.34E-04	1.35E-04	1.34E-04

Tabl. 2

Cf-252					
	IRDF-90	D-99	ENDF/B-VI	JENDL-3	JEF-2
10	12.40	12.40	12.40	12.40	12.40
50	13.80	13.80	13.80	13.80	13.80
90	16.00	16.00	16.00	16.00	16.00
ACS	3.17E-04	3.17E-04	3.17E-04	3.20E-04	3.17E-04

Tabl.3

1.4+07 1.5+07	16	1USALRL	J,NP/A,190,635	72 D.R.NETHAWAY	10312003
1.5+07 2.4+07	10	1USALAS	J,PR/C,16,1792	7711 L.R.VEESER,	10445004
1.3+07 1.8+07	8	1USAAUB 1USAALS	J,NP/A,266,53	7608 S.K.GHORAI,	10481002
1.4+07 2.5+07	8	1USALAS	J,PR/C,12,451	7508 B.P.BAYHURST,	10536008
1.6+07 2.8+07	3	1USALAS	J,PR/C,12,451	7508 B.P.BAYHURST,	10536009
2.6+07 2.6+07	1	1USALAS	J,PR/C,12,451	7508 B.P.BAYHURST,	10536010
1.2+07 1.5+07	8	1USALRL	R,UCRL-6028-T	6006 H.A.TEWES,	11504008
1.6+07 1.6+07	1	1USATNC	J,BAP,6,506(E9)	6110 O.M.HUDSON JR.,	11844002
1.4+07 1.5+07	2	1USAANL	S,ASTM-STP-956,743	87 L.R.GREENWOOD	12977017
1.4+07 1.5+07	2	2AUSIRK	P,EANDC(OR)-38,1	6504 R.RIEDER,	20033008
1.4+07 1.4+07	1	2AUSIRK	J,OSA,96,120	5903 H.VONACH,	20087005
1.5+07 1.5+07	1	2UK ALD	R,AWRE-O-76/66	6612 D.G.VALLIS	20347004
1.2+07 1.5+07	7	2FR BRC	W,FREHAUT	8006 J.FREHAUT,	20416011
1.5+07 1.5+07	1	2GERJUL	R,EUR-5182E,939	7409 S.M.QAIM,	20513008
1.4+07 1.5+07	1	2GERMUN	J,ZP/A,272,279	7503 W.MANNHART,	20611010
1.3+07 1.8+07	8	2GERHAM	J,ZP/A,277,203	7606 M.BORMANN,	20614011
1.4+07 1.4+07	1	2UK ALD	R,AWRE-O-47/69	6908 D.S.MATHER,	20794011
1.2+07 1.2+07	1	2UK ALD	R,AWRE-O-72/72	7211 D.S.MATHER,	20795003
1.4+07 1.4+07	1	2FR BRC	R,EANDC(E)-49L,83	6310 B.GRANGER,	21514004
1.4+07 1.5+07	2	2FR BRC	R,CEA-R-5109	8106 J.LAUREC,	21709002

1.5+07 1.5+07	1	3YUGRBZ	J,NP,30,49	6202 F.STROHAL,	30008012
1.5+07 1.5+07	1	3POLLOU	P,INR-1464,14	7305 J.ARAMINOWICZ,	30264026
1.4+07 1.5+07	4	3HUNKOS	J,AK,23,45	8106 P.RAICS,	30604006
1.3+07 1.8+07	13	3CPRAEP	R,INDC(CPR)-16	8908 HUANG JIAN-ZHOU,	30614002
1.5+07 1.5+07	1	3MORMOH	W,BERRADA	8404 M.BERRADA	30805003
1.4+07 1.5+07	4	3HUNKOS 2AUSIRK	J,ANE,16,(12),623	89 M.WAGNER,	30972004
1.4+07 1.5+07	4	3HUNKOS 2AUSIRK	J,ANE,16,(12),623	89 M.WAGNER,	30972008
1.3+07 1.5+07	8	4RUSRI	R,INDC(CCP)-402	9701 A.A.FILATENKOV,	41240029

$^{89}\text{Y}(n,2n)^{88}\text{Y}$ 