

29-Cu-63 (n, α) 27-Co-60

Abundance (%) = 69.17 \pm 0.03

Q = 1.71448 MeV

E_{thr} = 0.0

T_{1/2} = 5.2714 y 5

E _{γ} = 1173.237 \pm 0.004 keV

I _{γ} = 99.90 \pm 0.02

β^-

E _{γ} = 1332.501 \pm 0.005 keV

I _{γ} = 99.982 \pm 0.001

β^-

IRDF-90

- eval. - Nov 1989 D. Hetrick, A. Vonach et al.

D-99 (JENDL/D-99)

- eval. - Mar 1996 Y. Uno.

RRDF-98

- eval. - Mar 1997 K. Zolotarev.

ENDF/B-VI

- eval. - Nov 1989 D. Hetrick, C. Fu, N. Larson.

JENDL-3.2

- eval. - Mar 1987 N. Yamamuro, T. Kawakita.

CENDL-2

- eval. - Aug 1991 B. Yu, S. Chiba, N. Yamamuro et al.

Tabl. 1

U-235						
	IRDF-90	D-99	RRDF-98	ENDF/B-VI	JENDL-3	CENDL-2
10%	5.00	3.80	5.10	5.00	4.60	4.60
50%	6.90	6.60	7.00	6.90	6.80	6.80
90%	9.80	9.50	9.80	9.80	9.60	9.60
ACS	5.09E-04	5.62E-04	5.10E-04	5.09E-04	5.38E-04	5.38E-04

Tabl. 2

Cf-252						
	IRDF-90	D-99	RRDF-98	ENDF/B-VI	JENDL-3	CENDL-2
10%	5.20	4.20	5.20	5.20	4.70	4.70
50%	7.20	7.00	7.20	7.20	7.10	7.10
90%	10.40	10.00	10.40	10.40	10.10	10.10
ACS	6.96E-04	7.45E-04	6.99E-04	6.96E-04	7.24E-04	7.24E-04

Tabl. 3

1.5+07	1.5+07	1	1USASTF	R,AFWL-TR-68-134	6903 R.C.BARRALL,	10022016
3.6+06	5.3+06	8	1USAANL	J,NSE,76,30	8010 G.WINKLER,	10921002
5.1+06	9.9+06	21	1USAANL	J,NSE,76,30	8010 G.WINKLER,	10921003
1.4+07	1.5+07	5	1USAANL	S,ASTM-STP-956,743	87 L.R.GREENWOOD	12977016
1.0+07	1.0+07	1	1USAANL 1USALAS	J,ANE,23,877	9607 J.W.MEADOWS,	13586005
1.5+07	1.5+07	1	1USAANL 1USALAS	J,ANE,23,877	9607 J.W.MEADOWS,	13586015
1.4+07	1.4+07	1	2AUSIRK	J,OSA,97,13	6001 B.CZAPP,	20088004
5.8+06	2.0+07	40	2ZZZGEL	J,NUK,10,91	6707 A.PAULSEN,	20388004
8.2+06	1.5+07	2	2ZZZGEL	J,ZP,205,226	6708 A.PAULSEN	20390010
1.4+07	1.4+07	1	2GERHAM	J,NP/A,186,65	7205 M.BORMANN,	20471002
1.5+07	1.5+07	1	2AUSIRK	J,NSE,67,(2),260	7808 G.WINKLER	21219002
1.5+07	1.5+07	1	2JPNKYU	P,NEANDC(J)-61U,94	7909 K.KAYASHIMA,	21300010
1.5+07	1.5+07	1	3POLLOU	P,INR-1871/I/PL/A,15	8007 U.GARUSKA,	30553004
1.3+07	1.8+07	6	3CPRAEP	J,CNP,12,(4),373	90 LU HANLIN,	31407002
1.4+07	1.5+07	6	3CPRLNZ	J,PHE,14,919	9010 WANG YONGCHANG,	32576002
1.5+07	1.5+07	1	4CCPCCP	R,YK-9,50	72 G.N.MASLOV,	40136013
1.3+07	1.5+07	8	4RUSRI	R,INDC(CCP)-402	9701 A.A.FILATENKOV,	41240022
1.5+07	1.5+07	1	4CCPKAZ	J,AE,49,(3),195	8009 O.I.ARTEM'EV,	88021008

$^{63}\text{Cu}(n,\alpha)^{60}\text{Co}$ 