

26-Fe-58 (n, α) 24-Cr-55

Abundance (%) = 0.282 ± 0.004
 Q = -1.39914 MeV E_{th} = 1.42350 MeV
 $T_{1/2}$ = 3.497 m 3
 E_{γ} = 1528.0 ± 0.2 keV I_{γ} = 0.037 ± 0.003 β

ENDF/B-VI - eval. - Nov 1989 D. Hetrick, C. Fu.
 JENDL-3.2 - eval. - Mar 1987 S. Iijima, H. Yamakoshi.
 JEF-2 - eval. - Dec 1989 F. Froehner, F. Fabbry et al.
 BROND-2 - eval. - Nov 1985 V. Pronyaev.
 CENDL-2 - eval. - Aug 1990 B. Yu, S. Iijima, S. Chiba et al.

Tabl. 1

| U-235 | | | | | |
|--------------|------------------|-----------------|-----------------|-----------------|-----------------|
| | ENDF/B-VI | JENDL-3 | JEF-2 | BROND-2 | CENDL-2 |
| 10% | 7.30 | 7.20 | 7.40 | 10.60 | 7.20 |
| 50% | 9.10 | 9.20 | 9.10 | 12.20 | 9.20 |
| 90% | 11.60 | 12.10 | 11.50 | 14.50 | 12.10 |
| ACS | 6.15E-05 | 2.31E-05 | 4.94E-05 | 7.33E-06 | 2.31E-05 |

Tabl. 2

| Cf-252 | | | | | |
|---------------|------------------|-----------------|-----------------|-----------------|-----------------|
| | ENDF/B-VI | JENDL-3 | JEF-2 | BROND-2 | CENDL-2 |
| 10% | 7.50 | 7.40 | 7.50 | 10.70 | 7.40 |
| 50% | 9.30 | 9.50 | 9.30 | 12.40 | 9.50 |
| 90% | 12.10 | 12.70 | 12.00 | 14.80 | 12.70 |
| ACS | 9.94E-05 | 3.81E-05 | 8.00E-05 | 1.52E-05 | 3.81E-05 |

Tabl. 3

| | | | | | | |
|--------|--------|---|---------|--------------|-------------------------|----------|
| 1.5+07 | 1.5+07 | 1 | 1USAARK | J,PR,122,860 | 1961 D.M.CHITTENDEN II, | 11718008 |
| 1.5+07 | 1.5+07 | 1 | 3HUNKOS | W,CSIKAI | 1997 A.D.MAJEDDIN, | 31481004 |

$^{58}\text{Fe}(n,a)^{55}\text{Cr}$ 