

## 26-Fe-57 (n, np) 25-Mn-56

Abundance (%) =  $2.119 \pm 0.010$

Q = -10.55921 MeV

$E_{th}$  = 10.74628 MeV

$T_{1/2}$  = 2.5785 h 2

$E_{\gamma}$  =  $846.754 \pm 0.020$  keV

$I_{\gamma}$  =  $98.87 \pm 0.30$

$\beta^-$

$E_{\gamma}$  =  $1810.72 \pm 0.04$  keV

$I_{\gamma}$  =  $27.19 \pm 0.79$

$\beta^-$

$E_{\gamma}$  =  $2113.05 \pm 0.04$  keV

$I_{\gamma}$  =  $14.34 \pm 0.40$

$\beta^-$

D-99 (JENDL/D-99) - eval. - Mar 1987 S. Iijima, H. Yamakoshi.

ENDF/B-VI - eval. - Nov 1989 D. Hetrick, C. Fu.

JENDL-3.2 - eval. - Mar 1987 S. Iijima, H. Yamakoshi.

JEF-2 - eval. - Jul 1990 F. Floehner, F. Fabbry et al.

CENDL-2 - eval. - Agu 1991 B. Yu, S. Iijima, S. Chiba et al.

**Tabl. 1**

<b>U-235</b>					
	<b>D-99</b>	<b>ENDF/B-VI</b>	<b>JENDL-3</b>	<b>JEF-2</b>	<b>CENDL-2</b>
10%	13.80	13.70	13.80	13.80	13.80
50%	15.50	15.30	15.50	15.40	15.50
90%	17.30	17.20	17.30	17.20	17.30
<b>ACS</b>	<b>5.85E-07</b>	<b>1.90E-06</b>	<b>5.85E-07</b>	<b>2.26E-06</b>	<b>5.87E-07</b>

**Tabl. 2**

<b>Cf-252</b>					
	<b>D-99</b>	<b>ENDF/B-VI</b>	<b>JENDL-3</b>	<b>JEF-2</b>	<b>CENDL-2</b>
10%	13.90	13.80	13.90	13.90	13.90
50%	15.70	15.50	15.70	15.50	15.70
90%	17.40	17.30	17.40	17.30	17.40
<b>ACS</b>	<b>1.59E-06</b>	<b>5.12E-06</b>	<b>1.59E-06</b>	<b>6.08E-06</b>	<b>1.60E-06</b>

**Tabl. 3**

1.5+07	1.5+07	1	1USAARK	J,PR,122,860,61	6101 D.M.Chittenden Ii	11718007
1.3+07	1.5+07	7	2JPNJAE	R,JAERI-1312,88	8801 Y.Ikeda,	22089043
1.5+07	1.5+07	1	3SUDKHA	J,ARI,39,(10),1041,88	8801 F.Habbani,	30823004

$^{57}\text{Fe}(n,np)^{56}\text{Mn}$ 