22-Ti-49 (n, np) 21-Sc-48

Abundance (%) = 5.41 ± 0.02

Q	=	-11.35429 MeV	E_{th}	=	11.58827 MeV	
$T_{1/2}$	=	43.67 h 9				
E_γ	=	983.526 ± 0.012 keV	I_γ	=	100.1 ± 0.6	β^-
E_γ	=	1037.522 ± 0.012 keV	I_γ	=	97.6 ± 0.7	β^-
E_γ	=	1312.120 ± 0.012 keV	I_γ	=	100.1 ± 0.7	β^-

D-99 (JENDL/D-99) - eval. - Jan 1996 N. Odano.
RRDF-98 - eval. - Nov 1993 K. Zolotarev, A. Paschenko.
JENDL-3.2 - eval. - Sep 1988 K. Kobayashi, H. Hashikura.

Tabl. 1

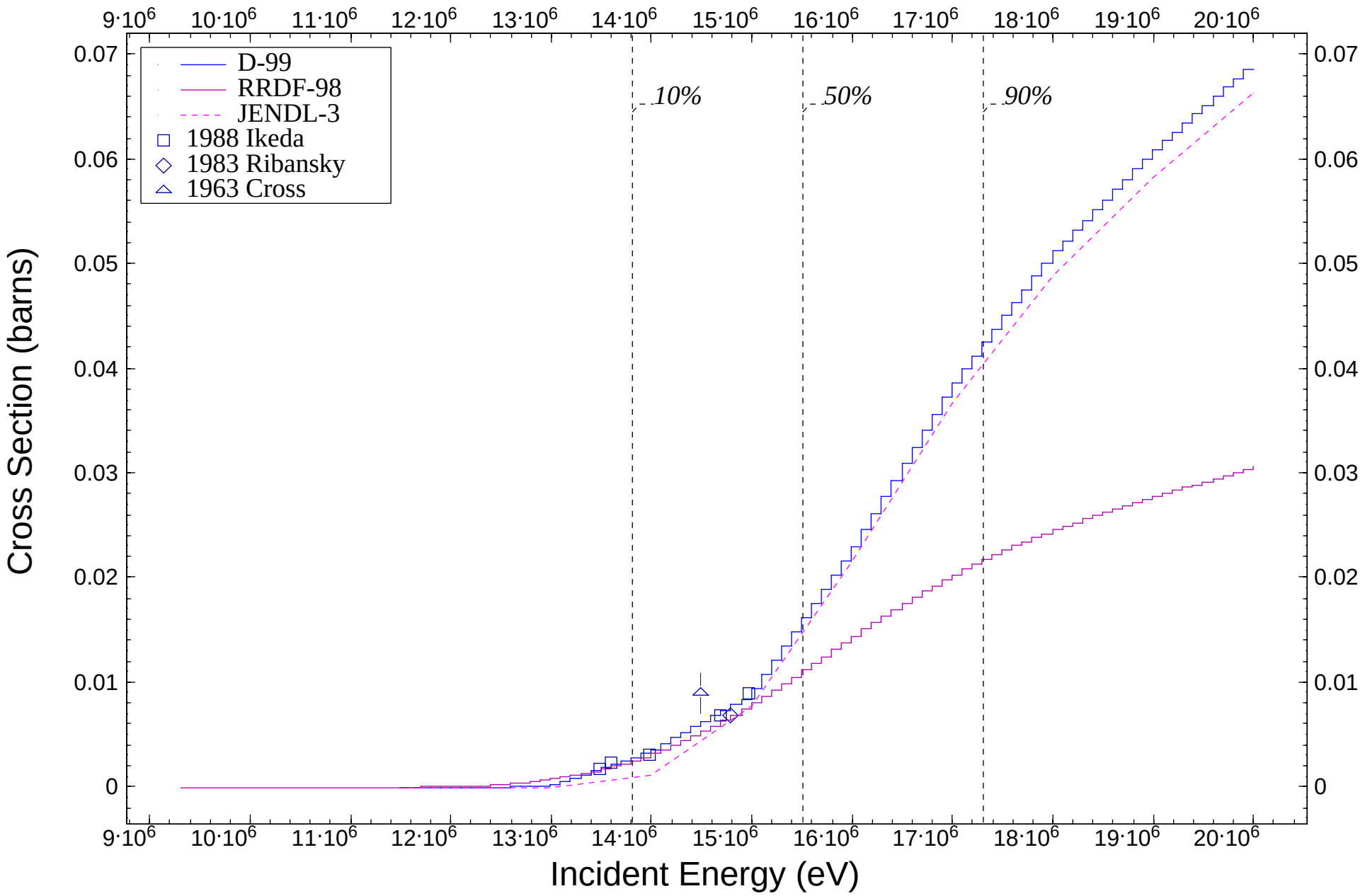
U-235			
	D-99	**RRDF-98**	**JENDL-3**
10%	13.80	12.90	14.30
50%	15.50	14.90	15.80
90%	17.30	16.90	17.40
ACS	**7.79E-07**	**6.57E-07**	**6.38E-07**

Tabl. 2

Cf-252			
	D-99	**RRDF-98**	**JENDL-3**
10%	13.90	13.10	14.40
50%	15.70	15.10	16.00
90%	17.40	17.10	17.40
ACS	**2.12E-06**	**1.69E-06**	**1.78E-06**

Tabl. 3

1.5+07 1.5+07	1	1CANCRC	P,EANDC(CAN)-16,1,6301	6301 W.G.CROSS,	11631009
1.3+07 1.5+07	5	2JPNJAE	R,JAERI-1312,88	8801 Y.IKEDA,	22089031
1.5+07 1.5+07	1	3CSRSLO	J,JP/G,9,1537,8312	8312 I.RIBANSKY,	30660007


^{49}Ti(n,np)^{48}Sc
D-99
RRDF-98
JENDL-3
1988 Ikeda
1983 Ribansky
1963 Cross
10%
50%
90%
Cross Section (barns)
Incident Energy (eV)
9·10^6
10·10^6
11·10^6
12·10^6
13·10^6
14·10^6
15·10^6
16·10^6
17·10^6
18·10^6
19·10^6
20·10^6
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07