

${}^{47}\text{Ti}(d, {}^3\text{He})$ 1970Le01

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. -c. Wu	NDS 91, 1 (2000)	15-Jul-2000

E=17 MeV.

Engel split-pole magnetic spectrograph, position-sensitive counters or emulsions; DWBA analysis of angular distributions.

$J^\pi({}^{47}\text{Ti})=5/2^-$.

 ${}^{46}\text{Sc}$ Levels

E(level)	L^\dagger	S^\ddagger	E(level)	L^\dagger	S^\ddagger	E(level)	L^\dagger	S^\ddagger
0.0	3(+1)	0.53+0.07	442 3	(3+1)	0.11+0.02	1121 5	3	0.11
52 3	3	0.18	585 3	0	0.52	1268 5	0+2	0.53+0.73
141 3	2	0.39	627 4	2	0.75	1298? 5	(2)	0.11
228 3	3(+1)	0.45+0.06	774 4	3	0.09	1426 5	0+2	0.36+0.46
282 3	(3)	0.52	833 4	3	0.19	1700 6	0	0.16
290 3	(2)	0.38	990 4	3	0.17			

† From analysis of angular distributions.

‡ Normalized by 1970Le01 to S=4.0 for the 764 level of ${}^{47}\text{Sc}$ observed in the ${}^{48}\text{Sc}(d, {}^3\text{He})$ reaction.