^{50}V(t,α) E=12.88 MeV 1969An04

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	T. W. Burrows[a]	NDS 109, 1879 (2008)	14-Jul-2008

Target $J^{\pi}=6^{+}$. Measured $\sigma(\theta$(C.M.)$\approx 10°-80°$. FWHM=15 keV. DWBA.

^{49}Ti Levels

E(level)	L†	S‡	E(level)	L†	S‡	E(level)	L†	S‡	E(level)	L†	S‡
0.0	3#	0.83	2724 *10*	(3)	0.24	3822 *10*			5121 *10*	0	0.59
1541 *10*	3	0.51	3289 *10*	(3)	0.22	4584 *10*	2	1.3	5180 *10*		
1622 *10*	3	0.26	3456 *10*	3	0.09	4621 *20*					
2506 *10*	3	0.85	3747 *10*	2	0.19	4725 *10*					

† From characteristic forward angle behavior for L(P)=0 and from comparison to $\sigma(\theta)$ from the (t,α) reaction on calc and Sc isotopes (1968Sa09) and from the g.s. transition.

‡ Relative S, normalized to Σ S(L(P)=3)=3.0, using $\sigma(20°)$.

From $J^{\pi}=7/2^{-}$.