^{64}Ni(t,p) 1971Da16

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 111, 1093 (2010)	3-Mar-2009

E(t)=12.1 MeV, FWHM≈25 keV; measured $\sigma(\theta)$, θ=5.0°−72.5°; deduced L transfer from empirical analysis of $\sigma(\theta)$.
Other: 1980Al11.

^{66}Ni Levels

E(level)	L†	S‡	E(level)	L†	S‡	E(level)	S‡	E(level)
0	0	100 *5*	3782 *10*		2.0 *1*	5192 *10*	6.6 *3*	6074 *10*
1422 *10*	2	8.4 *4*	4028 *10*			5237 *10*		6122 *10*
2437 *10*	0	6.2 *3*	4057 *10*			5260 *10*		6166 *10*
2664 *10*	(0)	10.8 *11*	4078 *10*			5327 *10*		6217 *10*
2900 *10*	2	6.3 *3*	4125 *10*	(4)	2.4 *2*	5368 *10*		6267 *10*
2965 *10*	0	0.9 *1*	4407 *10*		9.8 *5*	5503 *10*	8.4 *4*	6304 *10*
3179 *10*	(4)	1.9 *1*	4500 *10*		6.7 *3*	5584 *10*		6339 *10*
3219 *10*	2	0.8 *1*	4655 *10*			5612 *10*		6384 *10*
3364 *10*	3	6.4 *13*	4696 *10*			5660 *10*		6457 *10*
3532 *10*	(4)	6.6 *3*	4738 *10*			5745 *10*		6525 *10*
3605 *10*		4.0 *6*	4796 *10*		7.5 *4*	5787 *10*		6556 *10*
3646 *10*			4919 *10*		8.5 *4*	5836 *10*		6600 *10*
3678 *10*	3	5.1 *3*	4967 *10*			5885 *10*		6665 *10*
3716 *10*			5109 *10*			6004 *10*		6730 *10*
3746 *10*	2	5.6 *6*	5157 *10*			6027 *10*		

† From empirical analysis of $\sigma(\theta)$.
‡ Relative yields normalized to 100 for the g.s. are given.