^{106}Pd(t,α) 1983Fl04

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	S. Lalkovski, J. Timar and Z. Elekes	NDS 161, 1 (2019)	1-Apr-2019

Facility: Los Alamos Van de Graaf; Beam: E(t)=17 MeV, polarized; Target: 100 μg/cm^2 thick enriched in ^{106}Pd; Detectors: Q3E spectrograph, focal plane detector; Measured: E, dσ/dΩ; Deduced: ^{105}Rh levels, L from dσ/dΩ, DWBA and CCBA analysis.

^{105}Rh Levels

E(level)	L	C^{2}S	Comments
0.0	4	(0.21)	C^{2}S: deduced from DWBA. From CCBA, C^{2}S≈0.1 is proposed.
133 *5*	1	1.6	
152 *5*	4	4.1	
392.5	1	0.66	E(level): adopted for energy calibration purposes.
455 *5*	3	0.23	
498 *5*	2		
722 *5*	(2)		L=1, J^π=3/2$^-$ also possible.
759 *5*	1	1.3	
830 *8*	4	1.3	
866 *8*	3	2.8	
1024 *8*	(4)	(0.45)	
1143 *8*			
1295 *8*	1	0.21	
1327† *20*			
1462 *10*	1		
1608 *8*			
1684† *8*			
1750 *12*			
1832† *10*			
1889 *10*			
1942 *10*			
2001 *10*			
2041 *15*			
2075† *10*			
2113† *10*			

† Possibly unresolved multiplet.