^{108}Pd(p,α) 1970Di04

History

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

Beam: E(p)=15 MeV; Target: Enriched in ^{108}Pd; Detectors: Enge split-pole spectrograph, four position-sensitive silicon counters; Measured: E, dσ/dΩ; Deduced: ^{105}Rh levels, L from DWBA.

^{105}Rh Levels

E(level)[†]	L[‡]	Comments
0		
129 *5*	1	
150[#] *5*	4+(1)	Second component of assumed doublet to which L=(1) is assigned is considered as very doubtful by the evaluators.
401 *5*	1	
474 *5*	4	
499 *5*		
524 *5*		
783 *5*	1	
817 *5*	(3)	
858 *5*	1	L: if level is the same as 866-keV level observed in (t,α) L assignment is in disagreement with adopted J^{π}.
898 *5*	3	
924 *5*		
1062?[@] *5*		
1126? *5*		
1190 *5*	(1,3)	
1368? *5*		
1393 *5*	(4,3)	
1521 *5*	(3)	
1543? *5*		
1577 *5*	(4,3)	

[†] From 1970Di04.
[‡] From dσ/dΩ and DWBA analysis.
[#] Component of unresolved doublet.
[@] Possible doublet.