$$^{104}\text{Pd}(^3\text{He,d}) \quad \textbf{1975An04}$$

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

Facility: Colorado University's AVF cyclotron; Beam: E(^{3}He)=33.28 MeV; Target: enriched to 90% in ^{104}Pd, and 50 μg/cm^2 carbon backing; Detectors: magnetic spectrograph FWHM≈18-25 keV, proportional counter, scintillation detector; Measured: dσ/dΩ(E); Deduced: L-values from DWBA with DWUCK.

Others: 1974AnZX.

^{105}Ag Levels

E(level)[†]	L[‡]	S[@&a]	Comments
0	1	0.46	S: for J=l−s.
54 *1*	4	1.57	S: for J=l+s.
348 *1*	1	0.21,0.16	
433 *4*			
802 *5*			
876 *2*	1	0.19,0.14	
986 *1*	2	0.69,0.52	
1040 *7*			
1096 *4*			
1165 *7*			
1295 *3*	0	0.17	S: for J=l+s.
1329[#] *2*	(2)	1.14,0.86	
1385 *4*	2	0.08,0.06	
1439 *3*	2	0.04,0.03	
1555 *6*	2	0.12,0.09	
1580 *6*	0	0.04	S: for J=l+s.
1635 *4*	2	0.16,0.12	
1689 *6*			
1748 *6*	2	0.11,0.08	
1790 *6*	4	0.45,0.23	
1880 *6*	4	1.21,0.61	L: possible small L=2 admixture.
1922 *7*	4	0.67,0.34	L: possible small L=2 admixture.
1982 *6*	2	0.07,0.05	
2093 *8*			
2166 *8*			
2255 *7*			
2332[#] *6*			
2420 *7*			
2534 *14*			
2617 *12*			
2719[#] *10*			
2745[#] *14*			
2769[#] *13*			

[†] From 1975An04.
[‡] From DWBA in 1975An04.
[#] Unresolved multiplet.
[@] Label=C^{2}S.
[&] From DWBA, where C^{2}S=((2J+1)/N)((2J$_i$+1)/(2J$_f$+1)) (dσ/dΩ)$_{exp}$/(dσ/dΩ)$_{DW}$, and N=44.2.
[a] Unless otherwise noted, the two spectroscopic factors correspond to J=l+s and J=l−s, respectively.