^{104}Pd(d,p) 1963Cu02,1968Ne07

History

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

1963Cu02: Facility: Pittsburgh cyclotron; Beam: E(d)=15 MeV; Target: ≈3 mg/cm^2 thick, enriched to≈90% in ^{104}Pd; Detectors: magnetic spectrograph, photographic plates; Measured: dσ/d$\Omega(\theta)$ and compared to DWBA. ΔE(p)=30 keV; The statistical uncertainty is 8 keV.

1968Ne07: Beam: E(d)=6.5 MeV from cyclotron; Target: 3.0 mg/cm^2, enriched to 79.4% in ^{104}Pd; Detectors: magnetic spectrograph, FWHM≈150 keV; Measured: E, dσ/d$\Omega(\theta)$; Deduced: DWBA.

Others: 1973RiZL, 1968Ne07.

^{105}Pd Levels

E(level)[†]	L[#]	Comments
0	(2)	
280 *8*	(2)	
340 *8*	(0)	
486 *8*	(5)	
565 *8*	(2)	
651 *8*	(2)	
724 *8*	(2)	
787 *8*	(0)	
970 *8*	(2)	
1075 *8*	(0)	
1103 *8*	(2)	
1141 *8*	(0)	
1201 *8*	(2)	
1263 *8*	(0)	
1402 *8*	(2+0+5)	L: Unresolved multiplet.
1522 *8*	(2)	
1602 *8*	(2)	
1652 *8*		
1702 *8*		
1772 *8*		
1867 *8*	(2)	
1923 *8*	(0)	
1990 *8*	(2)	
2062 *8*	(2)	
2102 *8*		
2420[‡]		
2613 *8*		
3320[‡]		
3570[‡]		
3690[‡]		
4000[‡]		
4110[‡]		
4510[‡]		
4690[‡]		
4840[‡]		

[†] From 1963Cu02, unless noted otherwise.
[‡] From 1968Ne07. ΔE ≈150 keV.
[#] From dσ/d$\Omega(\theta)$ in 1963Cu02 and DWBA. L assignments are considered by the evaluators to be tentative, given that the proton spectra are taken at 10°, 20°, 33° only,