

$^{110}\text{Pd}(t,p)$ 1972Ca10

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. Lalkovski, F. G. Kondev		NDS 124, 157 (2015)	1-Aug-2014

1972Ca10: Facility: Los Alamos Van de Graaff; Beam: E(t)= 15 MeV; Target: 125 $\mu\text{g}/\text{cm}^2$ enriched to 97.4% in ^{110}Pd ;
 Detectors: Elbek-type magnetic spectrograph, nuclear emulsions; Measured: E(p), FWHM \approx 15 keV, $\sigma(E,\theta)$, Q – value; Deduced:
 ^{112}Pd level scheme, L, J^π , DWBA.

 ^{112}Pd Levels

E(level) [†]	J^π [‡]	L [#]	Comments
0	0 ⁺	0	
351 5	2 ⁺	2	
736 8	(4 ⁺)	(4)	J^π : 2 ⁺ in the Adopted Levels. L: 20° data contains impurities, which leads to an ambiguous L-value; $d\sigma/d\Omega$ analysis in 1972Ca10 favors rather L=4 than L=0 or 2.
882 8	(2 ⁺)	(2)	J^π : 4 ⁺ in the Adopted Levels.
928 8			
1123 8	0 ⁺	0	

[†] From [1972Ca10](#).

[‡] Based on L.

[#] From DWBA analysis in [1972Ca10](#).