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 $^{112}\text{Cd}(\text{pol p,p}') \quad \mathbf{1994\text{Pe}23}$ 

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

**1994Pe23:** Facility: Eindhoven University of Technology cyclotron; Beam: E(pol P)=22.3 MeV; Target: 600-1000  $\mu\text{g}/\text{cm}^2$  enriched to  $^{112}\text{Cd}$  to 96-98%; Detectors: Si(Li); Measured:  $\sigma(\theta)$ ,  $d\sigma/d\Omega(E, \theta)$ , FWHM=38-47 keV; Deduced: levels, optical model parameters, deformation strength, coupled channel calculations in vibrational model.

Others: [1994He22](#), [1989Wa05](#).

 $^{112}\text{Cd}$  Levels

<u>E(level)<sup>†</sup></u>	<u>J<math>\pi</math><sup>‡</sup></u>
0.0	0 <sup>+</sup>
617	2 <sup>+</sup>
1224	0 <sup>+</sup>
1312	2 <sup>+</sup>
1415	4 <sup>+</sup>
2005	3 <sup>-</sup>
2373	5 <sup>-</sup>
2507	1 <sup>-</sup>

<sup>†</sup> From [1994Pe23](#).

<sup>‡</sup> From the Adopted Levels.