

$^{114}\text{Cd}(\text{e},\text{e}')$

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Jean Blachot	NDS 113, 515 (2012)	1-Jan-2012

E=183-250 MeV ([1973Ho05](#)), E=68-112 MeV ([1976Gi07](#),[1977Gi13](#)), E=40-110 MeV ([1976Li19](#)).

Measured: $\sigma(\text{E},\theta)$, s, semi, DWBA analysis.

 ^{114}Cd Levels

β_{L} , B(EL) data are from [1976Gi07](#).

<u>E(level)</u>	<u>$\text{J}\pi^{\dagger}$</u>	<u>$\text{T}_{1/2}$</u>	<u>Comments</u>
0	0^{+}	stable	
558	2^{+}		B(E2) $\uparrow$ =0.517 49; Q= -0.38 4 (1976Gi07 , 1977Gi13) β_2 = 0.189 9 (1976Gi07) B(E2) $\uparrow$: deduced from form factor using anharmonic vibrational model. Others: B(E2)=0.472 48 (1973Ho05), 0.553 18 (1974Ye01), 0.575 48 (1976Li19).
1208	2^{+}		B(E2) $\uparrow$ =0.0028 14
1959	3^{-}		B(E3) $\uparrow$ =0.085 9; β_3 =0.142
2350	$4^{+}, 2^{+}$		B(E4) $\uparrow$ =1.0; β_4 =0.087; B(E2) $\uparrow$ =0.0113; β_2 =0.028

† From Adopted Levels. Authors analyzed 2350 level as a 4^{+} , 2^{+} doublet.