

Coulomb excitation [2002Le17](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni		NDS 111,1 (2010)	1-May-2009

Pb($^{72}\text{Zn}, ^{72}\text{Zn}'$), $E \approx 35$ MeV/nucleon, measured $E\gamma$, $B(E2)$ using BaF2 detectors. ^{72}Zn beam from ^{86}Kr fragmentation at 50 MeV/nucleon on a ^{58}Ni target. Also, $B(E2)$ for ^{76}Ge was measured in the same experiment as a reference.

 ^{72}Zn Levels

<u>E(level)</u>	<u>J^π</u>	<u>$T_{1/2}$</u>	<u>Comments</u>
0.0	0^+		
652	2^+	14 ps 3	$B(E2) \uparrow = 1.74 \times 10^3$ 2I $T_{1/2}$: From $B(E2)$ value.

 $\gamma(^{72}\text{Zn})$

<u>E_γ</u>	<u>$E_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>
652	652	2^+	0.0	0^+

Coulomb excitation [2002Le17](#)Level Scheme