^{70}Zn(e,e′) 1976Ne06

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	G. Gürdal, E. A. Mccutchan	NDS 136, 1 (2016)	1-Jul-2016

E(e)=40-112 MeV. Measured σ(E,θ) at θ(lab)=58.0° and 128.3°; DWBA analysis.
Others: 1973NeZC, 1972EhZZ.

^{70}Zn Levels

B(E2): extracted using the modified Tassie model with a two-parameter Fermi charge distribution for the ground state. Use of a specific model for the transition charge density introduces some model dependence into the extracted B(E2) strengths.

E(level)†	J$^{\pi}$†	Comments
0		
884.5	2$^+$	Q=−0.233 *22*; B(E2)↑=0.205 *19* Q: extracted using anharmonic-vibrator model and is model dependent; a model-independent method using energy-weighted sum rule gives −0.235 *27* (1981Ko06); another anharmonic-vibrator model analysis gives −0.21 *3* (1972Li12). β_2R=1.23 *6*.
1758.8	2$^+$	B(E2)↑=0.0050 *13*

† From the Adopted Levels.