

$^{112}\text{Sn}(\alpha, \alpha')$ [1970Br07](#)

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

Facility: Saclay cyclotron; Beam: $E(\alpha)=44$ MeV; Target: 0.4 mg/cm², enriched to 70% in ^{112}Sn ; Detectors: dipole magnet, multidetector array comprising Li drifted E-detectors and surface-barrier ΔE detectors (FWHM=90 keV); Measured: $E(\alpha)$, $\sigma(\theta)$; Deduced: ^{112}Sn level scheme B(E2), B(E3).

Others: [2011Ki15](#), [2006FuZZ](#), [2005Ga21](#), [2003FuZY](#), [2003Ga30](#), [2003Ga33](#), [1978Ba17](#), [1975Al06](#), [1975Gr30](#), [1972BaXP](#), [1972BaZT](#), [1972TaYT](#), [1972TaYX](#), [1967Br25](#).

 ^{112}Sn Levels

E(level) [†]	J π [‡]	L [#]	Comments
0.0	0 ⁺		
1260	2 ⁺	2	$\beta_2=0.12$
2200?	0 ⁺		
2350	3 ⁻	3	$\beta_3=0.097$
2500?	2 ⁺		

[†] From [1970Br07](#); ΔE not given by the authors.

[‡] From the Adopted Levels.

[#] From Austern-Blair model analysis in [1970Br07](#).