

$^{232}\text{Th}(\alpha,\alpha'2n\gamma)$ E=56 MeV 1984Ha21

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli		NDS 113, 2113 (2012)	1-May-2012

 ^{230}Th Levels

E(level) [†]	J ^π [‡]
0.0	0 ⁺
53.20 5	2 ⁺
174.2 2	4 ⁺
357.0 3	6 ⁺
594.5 4	8 ⁺
880.4 4	10 ⁺
1209.3 6	12 ⁺

[†] From γ -ray energies.

[‡] Adopted values.

 $\gamma(^{230}\text{Th})$

E_γ [†]	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Comments
(53.20 5)	53.20	2 ⁺	0.0	0 ⁺	E_γ : from ^{230}Pa ϵ decay.
121.0 2	174.2	4 ⁺	53.20	2 ⁺	
182.8 2	357.0	6 ⁺	174.2	4 ⁺	
237.5 2	594.5	8 ⁺	357.0	6 ⁺	
285.9 2	880.4	10 ⁺	594.5	8 ⁺	
328.9 4	1209.3	12 ⁺	880.4	10 ⁺	

[†] From 1984Ha21, except where noted. Measurements for photon, ce and γ ray-electron coincidences were taken.

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Legend

Level Scheme

-----▶ γ Decay (Uncertain)

