

²³²Th(¹³⁶Xe,Xγ)1999Co02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	C. Morse	NDS 197,259 (2024).	26-Sep-2023

E=833 MeV. Measured Eγ, Iγ, γγγ using GAMMASPHERE array of 73 HPGe detectors.

²³⁰Ra Levels

E(level)	J ^π
0.0 [†]	0 ⁺
57.40 [†] 10	(2 ⁺)
186.80 [†] 22	(4 ⁺)
379.1 [†] 3	(6 ⁺)
626.4 [†] 4	(8 ⁺)
920.0 [†] 4	(10 ⁺)
1252.2 [†] 6	(12 ⁺)
1616.3 [†] 8	(14 ⁺)
2006.3 [†] 10	(16 ⁺)
2418.3? [†] 11	(18 ⁺)

[†] Band(A): g.s. band.

γ(²³⁰Ra)

E _γ	E _i (level)	J _i ^π	E _f	J _f ^π	Comments
(57.4 1)	57.40	(2 ⁺)	0.0	0 ⁺	E _γ : From Adopted Levels.
129.4 2	186.80	(4 ⁺)	57.40	(2 ⁺)	
192.3 2	379.1	(6 ⁺)	186.80	(4 ⁺)	
247.3 2	626.4	(8 ⁺)	379.1	(6 ⁺)	
293.6 2	920.0	(10 ⁺)	626.4	(8 ⁺)	
332.2 5	1252.2	(12 ⁺)	920.0	(10 ⁺)	
364.1 5	1616.3	(14 ⁺)	1252.2	(12 ⁺)	
390.0 5	2006.3	(16 ⁺)	1616.3	(14 ⁺)	
412.0 [†] 5	2418.3?	(18 ⁺)	2006.3	(16 ⁺)	

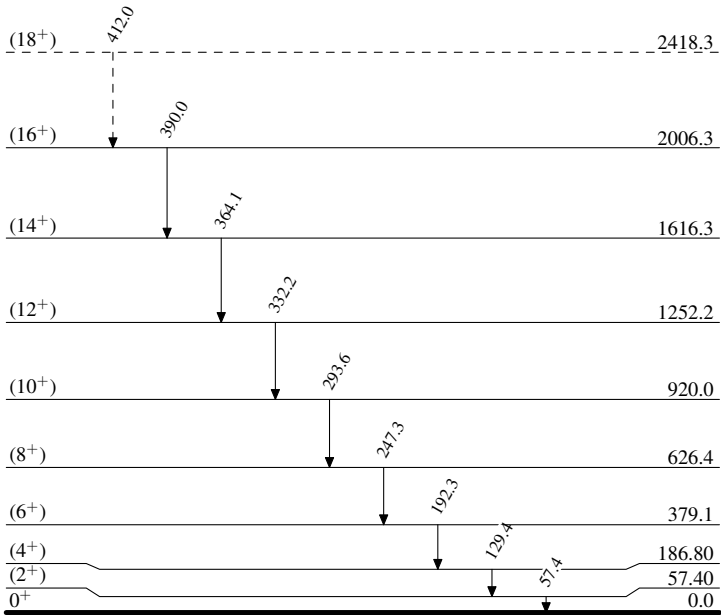
[†] Placement of transition in the level scheme is uncertain.

$^{232}\text{Th}(^{136}\text{Xe},\text{X}\gamma)$ 1999Co02

Legend

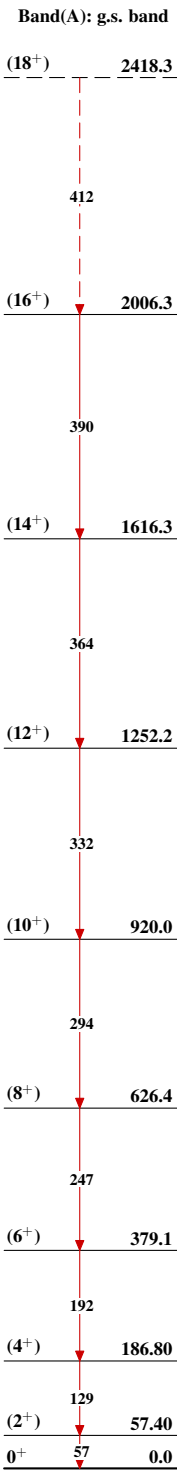
Level Scheme

-----► γ Decay (Uncertain)



$^{230}_{88}\text{Ra}_{142}$

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$^{230}_{88}\text{Ra}_{142}$