

$^{168}\text{Er}(^{30}\text{Si},\text{X}\gamma)$ **2007La03**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	D. De Frenne	NDS 110, 1745 (2009)	31-Dec-2008

E=142 MeV. Measured $E\gamma$, $I\gamma$, $\gamma\gamma$ using EUROBALL III array of 30 single HPGe detectors, 26 ‘clover’ and 15 ‘cluster’ composite Compton-shielded detectors. Measured $E\gamma$, $I\gamma$, $\gamma\gamma$ coin.

^{102}Mo Levels

E(level) [†]	J ^π	E(level) [†]	J ^π	E(level) [†]	J ^π	E(level) [†]	J ^π
0.0 [‡]	0 ⁺	2017.8 [‡] 10	8 ⁺	2789.6 [‡] 11	(10 ⁺)	3614.6 [#] 12	(11 ⁻)
295.9 [‡] 5	2 ⁺	2146.7 [#] 9	(5 ⁻)	2828.6 [@] 11	(8 ⁻)	3624.5 [‡] 12	(12 ⁺)
742.9 [‡] 7	4 ⁺	2459.4 [@] 10	(6 ⁻)	3005.7 [#] 10	(9 ⁻)		
1327.0 [‡] 9	6 ⁺	2547.0 [#] 9	(7 ⁻)	3368.9 [@] 12	(10 ⁻)		

[†] From least-squares fit to $E\gamma$'s by evaluator.

[‡] Band(A): Yrast band.

[#] Band(B): γ sequence based on (5⁻).

[@] Band(C): γ sequence based on (6⁻).

$\gamma(^{102}\text{Mo})$

E_γ	I_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	E_γ	I_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
295.9 5	[†]	295.9	2 ⁺	0.0 0 ⁺		608.9 5	10.5 14	3614.6	(11 ⁻)	3005.7 (9 ⁻)	
369.2 5	11.3 9	2828.6	(8 ⁻)	2459.4 (6 ⁻)		690.8 5	48.6 9	2017.8	8 ⁺	1327.0 6 ⁺	
400.1 5	11.3 4	2547.0	(7 ⁻)	2146.7 (5 ⁻)		771.8 5	23.3 13	2789.6	(10 ⁺)	2017.8 8 ⁺	
447.0 5	[†]	742.9	4 ⁺	295.9 2 ⁺		834.9 5	9.5 12	3624.5	(12 ⁺)	2789.6 (10 ⁺)	
458.7 5	10.6 5	3005.7	(9 ⁻)	2547.0 (7 ⁻)		1132.4 5	11.6 10	2459.4	(6 ⁻)	1327.0 6 ⁺	
540.3 5	7.8 10	3368.9	(10 ⁻)	2828.6 (8 ⁻)		1220.1 5	5.6 5	2547.0	(7 ⁻)	1327.0 6 ⁺	
584.3 5	100	1327.0	6 ⁺	742.9 4 ⁺		1403.6 5	10.9 8	2146.7	(5 ⁻)	742.9 4 ⁺	

[†] No intensity available since this γ was used as a gating transition.

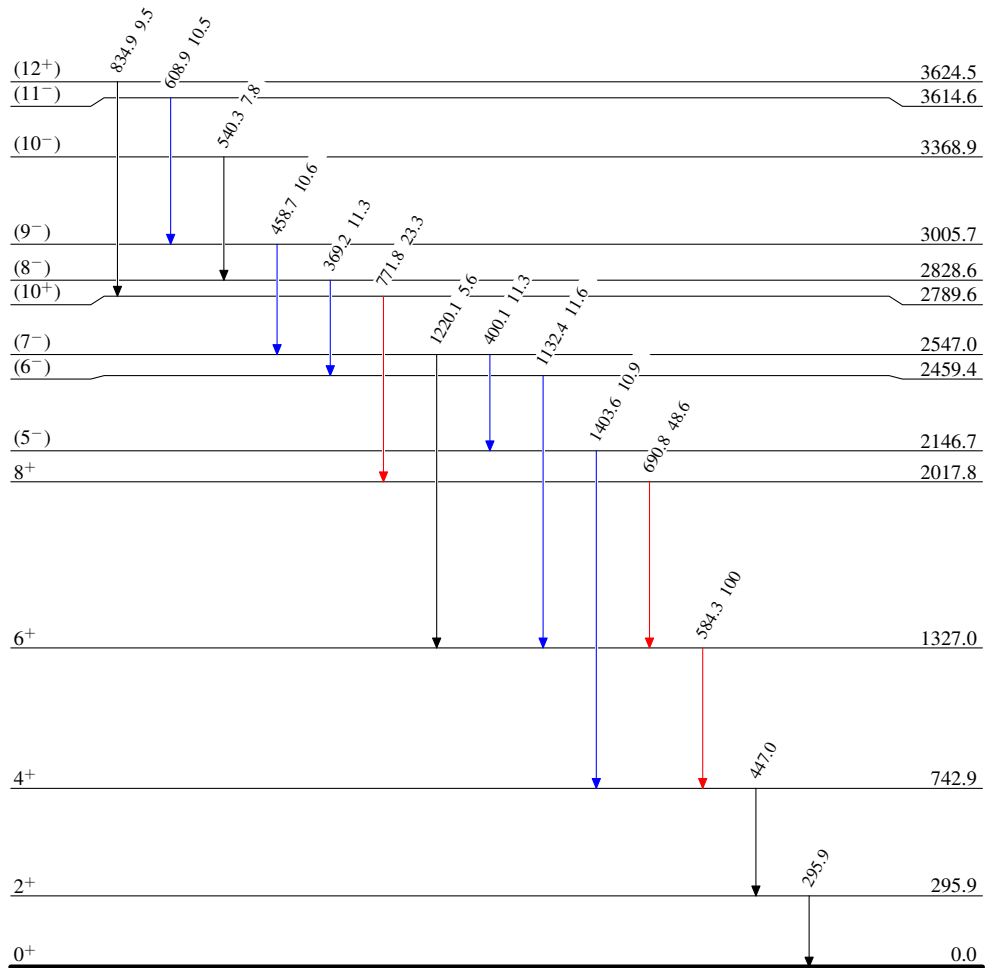
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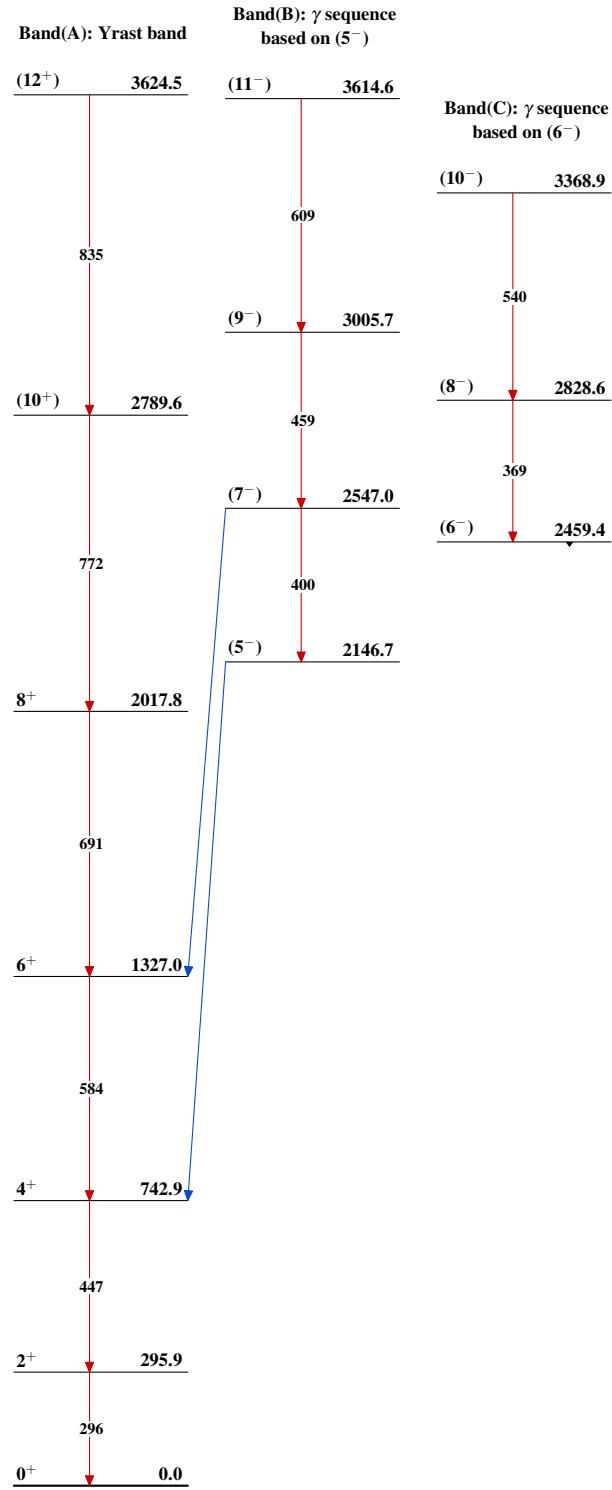
Level Scheme

Intensities: Relative I_γ

Legend

- $I_\gamma < 2\% \times I_\gamma^{\text{max}}$
- $I_\gamma < 10\% \times I_\gamma^{\text{max}}$
- $I_\gamma > 10\% \times I_\gamma^{\text{max}}$

 $^{102}_{42}\text{Mo}_{60}$

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