

$^{232}\text{Th}(^7\text{Li},\text{F}\gamma)$ 2015Pa39

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen		NDS 172,1 (2021)	31-Jan-2021

2015Pa39: E=35 MeV ^7Li beam from TIFR-BARC Pelletron Linac Facility. Measured E_γ , I_γ , $\gamma\gamma$ -coin using INGA array with 19 Compton-suppressed HPGe clover detectors for γ detection. Deduced yrast band levels up to 12^+ .

 ^{100}Zr Levels

<u>E(level)[†]</u>	<u>Jπ[‡]</u>
0 [#]	0 ⁺
212 [#]	2 ⁺
564 [#]	4 ⁺
1062 [#]	6 ⁺
1688 [#]	8 ⁺
2427 [#]	10 ⁺
3269 [#]	(12 ⁺)

[†] From E_γ data, with level scheme taken from the Adopted Levels.

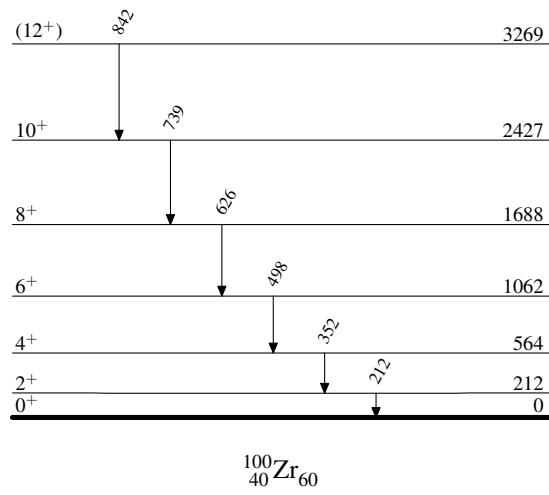
[‡] From the Adopted Levels.

[#] Band(A): yrast g.s. band.

 $\gamma(^{100}\text{Zr})$

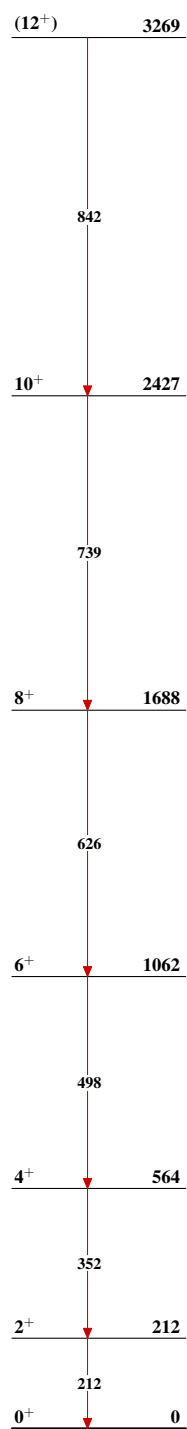
<u>E_γ[†]</u>	<u>E_i(level)</u>	<u>Jπ_i</u>	<u>E_f</u>	<u>Jπ_f</u>
212	212	2 ⁺	0	0 ⁺
352	564	4 ⁺	212	2 ⁺
498	1062	6 ⁺	564	4 ⁺
626	1688	8 ⁺	1062	6 ⁺
739	2427	10 ⁺	1688	8 ⁺
842	3269	(12 ⁺)	2427	10 ⁺

[†] From Fig.2 of 2015Pa39, unless otherwise noted.

$^{232}\text{Th}(7\text{Li,F}\gamma)$ 2015Pa39Level Scheme

$^{232}\text{Th}(\text{}^7\text{Li,F}\gamma)$ 2015Pa39

Band(A): Yrast g.s. band

 $^{100}_{40}\text{Zr}_{60}$