

⁹⁴Zr(n, γ) E=thermal [1977Ba33](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, G. Mukherjee, A. A. Sonzogni		NDS 111, 2555 (2010)	30-Jun-2009

Measured γ 's; Ge(Li).
[Additional information 1.](#)

⁹⁵Zr Levels

E(level)	J π [†]
0.0	5/2 ⁺
953.95 [†] 13	1/2 ⁺
1619.0 3	(3/2) ⁺
2254.1 5	(1/2 ⁺ , 3/2 ⁺ , 5/2 ⁺)
3117.5 4	
3248.3 6	(3/2) ⁻

[†] From the Adopted Levels.

$\gamma(^{95}\text{Zr})$

E $_{\gamma}$	I $_{\gamma}$	E $_i$ (level)	J $^{\pi}_i$	E $_f$	J $^{\pi}_f$
1619.0 3	0.34 3	1619.0	(3/2) ⁺	0.0	5/2 ⁺
2254.1 5	0.34 6	2254.1	(1/2 ⁺ , 3/2 ⁺ , 5/2 ⁺)	0.0	5/2 ⁺
2294.0 6	0.40 9	3248.3	(3/2) ⁻	953.95	1/2 ⁺
3117.4 4	0.08 4	3117.5		0.0	5/2 ⁺

$^{94}\text{Zr}(\text{n},\gamma)$ E=thermal $^{197}\text{Ba}33$

Level Scheme

Intensities: Relative I_γ

Legend

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

