

$^{209}\text{Bi}(\pi^-, 13n\gamma)$ **1978Be24**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong	NDS 108, 1093 (2007)	1-Jan-2006

E=125 MeV. Measured prompt, delayed γ .

 ^{196}Pb Levels

E(level) [†]	J π [†]	T _{1/2} [†]
0.0	0 ⁺	37 min 3
1049.21 9	2 ⁺	
1738.21 13	4 ⁺	
1797.44 16	5 ⁻	
2169.37 18	7 ⁻	
2307.78 19	9 ⁻	
2645.08 21	10 ⁺	

[†] From Adopted Levels.

 $\gamma(^{196}\text{Pb})$

E γ [†]	I γ ^{‡#}	E _i (level)	J _i ^π	E _f	J _f ^π
(59.23 9)		1797.44	5 ⁻	1738.21	4 ⁺
(138.41 7)		2307.78	9 ⁻	2169.37	7 ⁻
337.29 7	0.0039 14	2645.08	10 ⁺	2307.78	9 ⁻
371.93 8	0.019 3	2169.37	7 ⁻	1797.44	5 ⁻
689.00 9	0.023 4	1738.21	4 ⁺	1049.21	2 ⁺
1049.21 9	0.035 4	1049.21	2 ⁺	0.0	0 ⁺

[†] From adopted gammas.

[‡] γ intensity per stopped π^- .

[#] Absolute intensity per 100 decays.

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Legend

Level Scheme

Intensities: Relative I_{γ}

- ▶ $I_{\gamma} < 2\% \times I_{\gamma}^{max}$
- ▶ $I_{\gamma} < 10\% \times I_{\gamma}^{max}$
- ▶ $I_{\gamma} > 10\% \times I_{\gamma}^{max}$
- - - -▶ γ Decay (Uncertain)

