

⁸¹Br(n,γ) E=res: 0.88 eV 1984A114

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. K. Tuli, E. Browne	NDS 157, 260 (2019)		1-Mar-2019

Measurement on 0.88-eV p-wave resonance. Ge(Li) detector. Off-resonance measurement to subtract background. Only γ's reported.
Level scheme from Adopted Levels.

⁸²Br Levels

E(level)	J ^π [†]
0	5 ⁻
46.0 10	2 ⁻
75.0 15	(1) ⁺
291.0 15	(3) ⁻
362.0 18	(2) ⁺
419.0 18	(2)

[†] From Adopted Levels.

γ(⁸²Br)

E _γ	I _γ [‡]	E _i (level)	J _i ^π	E _f	J _f ^π
(29 [†])		75.0	(1) ⁺	46.0	2 ⁻
(46 [†])		46.0	2 ⁻	0	5 ⁻
245 1	15 3	291.0	(3) ⁻	46.0	2 ⁻
287 1	19 3	362.0	(2) ⁺	75.0	(1) ⁺
344 1	7 2	419.0	(2)	75.0	(1) ⁺

[†] From adopted γ-radiation.

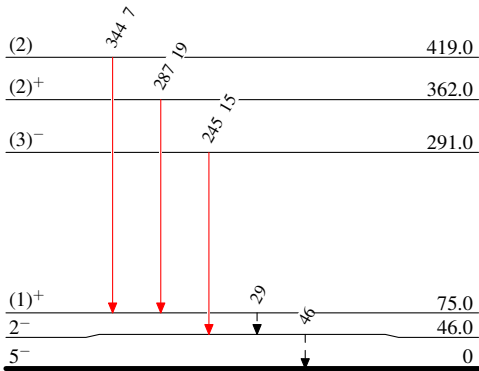
[‡] Intensity per 100 neutron captures.

$^{81}\text{Br}(n,\gamma)$ E=res: 0.88 eV 1984Al14

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)



$^{82}_{35}\text{Br}_{47}$