

$^9\text{Be}(^{36}\text{S},\text{X})$ 2004St08

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	R. B. Firestone	NDS 127, 1 (2015)	15-Jan-2015

$\text{Be}(^{36}\text{S},\text{X})$ E=77.5 MeV/nucleon: 2004St08, 2004St10. SPEG spectrometer measured recoil tof, ΔE , and focal plane position. HPGe and BaF_2 detectors, $\gamma\gamma$ coincidences. Other reference: 2002Gu08.

 ^{21}O Levels

E(level)	J^π [†]
0.0	(5/2 ⁺)
1218 4	(1/2 ⁺)
2133 5	(3/2 ⁺)
3026 6	(7/2 ⁺)
3073 10	(7/2 ⁺)
4927 12	(9/2 ⁺)

[†] From shell model calculations.

 $\gamma(^{21}\text{O})$

E_γ [†]	I_γ [†]	$E_i(\text{level})$	J_i^π	E_f	J_f^π
881 4	51 7	3026	(7/2 ⁺)	2133	(3/2 ⁺)
1218 4	55 10	1218	(1/2 ⁺)	0.0	(5/2 ⁺)
1854 6	49 9	4927	(9/2 ⁺)	3073	(7/2 ⁺)
2133 5	100 16	2133	(3/2 ⁺)	0.0	(5/2 ⁺)
3026 8	87 17	3026	(7/2 ⁺)	0.0	(5/2 ⁺)
3073 10	54 12	3073	(7/2 ⁺)	0.0	(5/2 ⁺)

[†] From HPGe measurements.

${}^9\text{Be}({}^{36}\text{S},\text{X})$ 2004St08

Level Scheme

Intensities: Type not specified

Legend

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

