

$^{86}\text{Sr}(\text{p},\gamma)$ IAR 1972PaYW

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	T. D. Johnson and W. D. Kulp(a)		NDS 129, 1 (2015)	27-Jul-2015

E=4.55 MeV to \approx 5.1 MeV, measured excitation functions, determined Γ_γ for transitions from the S(p)+4800 level.

 ^{87}Y Levels

E(level) [†]	J^π [‡]
793.73	5/2 ⁻
982.89	3/2 ⁻
1203.01	(5/2) ⁻
S(p)+4800 [#] 15	5/2 ⁺

[†] Nominal values from Adopted Levels, unless indicated otherwise.

[‡] From Adopted Levels.

[#] Resonance energy in lab coordinates.

 $\gamma(^{87}\text{Y})$

$E_i(\text{level})$	J_i^π	E_γ [†]	I_γ [‡]	E_f	J_f^π	Mult.	Comments
S(p)+4800	5/2 ⁺	9327	7 2	1203.01	(5/2) ⁻	(E1)	B(E1)(W.u.)=0.006 3
		9547	13 3	982.89	3/2 ⁻	(E1)	B(E1)(W.u.)=0.011 3
		9735	7 2	793.73	5/2 ⁻	(E1)	B(E1)(W.u.)=0.006 2

[†] Calculated from level-energy differences.

[‡] Γ_γ in eV.

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Level Scheme

Intensities: Γ_γ In eV for each transition