

$^{86}\text{Sr}(\gamma, \gamma')$ 1970Sc27

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Alexandru Negret, Balraj Singh		NDS 124, 1 (2015)	30-Nov-2014

1970Sc27: E=6-9 MeV from Ni(n, γ). Measured σ , E γ , I γ .

 ^{86}Sr Levels

E(level)	J π [†]	E(level)	J π [†]	E(level)	J π [†]	T _{1/2}
0	0 ⁺	2201	0 ⁺	3045		
1076	2 ⁺	2497		3102	(0 ⁺)	
1851	2 ⁺	2640	2 ⁺	7820	(1) [‡]	0.10 eV 5
2104	0 ⁺	2786	2 ⁺			

[†] From Adopted Levels, unless noted otherwise.

[‡] From systematics of g.s. widths.

 $\gamma(^{86}\text{Sr})$

E γ [†]	I γ	E _i (level)	J π _i	E _f	J π _f
4718	33 9	7820	(1)	3102	(0 ⁺)
4775	21 7	7820	(1)	3045	
5034	30 8	7820	(1)	2786	2 ⁺
5180	15 7	7820	(1)	2640	2 ⁺
5323	20 7	7820	(1)	2497	
5619	16 7	7820	(1)	2201	0 ⁺
5716	29 6	7820	(1)	2104	0 ⁺
5969	59 8	7820	(1)	1851	2 ⁺
6744	21 5	7820	(1)	1076	2 ⁺
7820	100 9	7820	(1)	0	0 ⁺

[†] Uncertainty not given; probably <5 keV.

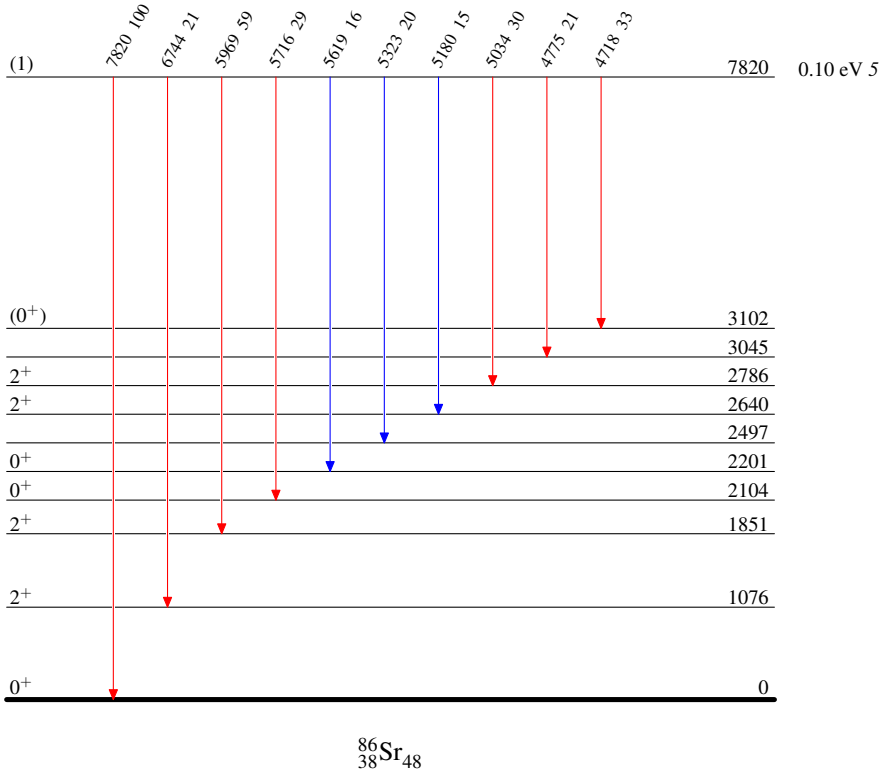
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Level Scheme

Intensities: Relative I_γ

Legend

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



$^{86}_{38}\text{Sr}_{48}$