

$^{86}\text{Sr}(^3\text{He},\alpha)$ 1971Iv02

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen		NDS 116, 1 (2014)	31-Dec-2013

1971Iv02 (also 1977Bu20): E=17.5 MeV, FWHM \approx 35 keV, magnetic spectrograph, measured $\sigma(\theta)$ for 6 $^\circ$ –80 $^\circ$.

 ^{85}Sr Levels

E(level) [†]	L	S [‡]	Comments
0	4	8.4 17	S: for $J^\pi=9/2^+$.
234 8	1	1.3 3	S: for $J^\pi=1/2^-$.
740 10	1	2.7 5	S: for $J^\pi=3/2^-$.
900 15	3,(4)	0.40 8	S: for L=3, $J^\pi=3/2^-$.
1140 10	1	0.40,0.39 8	
1230 15	4,(3)	0.09 2	S: for L=4, $J^\pi=9/2^+$.
1620 10	1	0.70,0.61 14	
1960 10	(1)	0.14	S: for $1/2^-$ or $3/2^-$.
2141 9	3,(4)	0.80 16	S: for L=3, $J^\pi=5/2^-$.

[†] From 1972Bu13, unless indicated otherwise.

[‡] From 1971Iv02 with set #2 of optical-model parameters. When two values are given, first refers to L-1/2, and the second to L+1/2.