

$^{84}\text{Sr}(p,\gamma)$ 1979Sz06

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

1979Sz06: E=2-3 MeV, measured $E\gamma$, $I\gamma$, deduced γ -strength functions. Details of γ -ray data are not available.

1997Za05: E=2.8-3.8 MeV. Analyzed $I\gamma$, deduced radiative strength functions.

2001Gy04 (also 2001Gy03): E=1.47-2.96 MeV. Measured capture cross section, deduced astrophysical S factors.

 ^{85}Y Levels

E(level)	$J^{\pi\dagger}$	Relative intensity	Comments
0	$1/2^-$	1.00 4	
18 3	$9/2^+$	0.09 4	
272 3	$5/2^-$	0.49 5	
414 3	$3/2^-$	0.87 8	
436 3	$5/2^+$	0.43 6	
640 3	$3/2^-$	0.78 4	
752 3		0.59 4	
796 3	$3/2^+$	0.63 3	
885 3	$5/2^+$	0.37 5	
936 3	$3/2^-$	0.62 5	
966 3	$3/2^-$	0.71 5	
1215 3		0.44 4	
1281 3		0.44 5	
1379 3	$1/2^+$	0.47 6	
1392 3		0.65 6	E(level): unresolved levels.
1433 3	$3/2^-$	0.46 7	
1605 3	$5/2^+$	0.23 5	
1676 3		0.18 5	
1726 3		0.16 5	
1820 3		0.23 3	
1846 3	$1/2^+$	0.24 12	
1959 7		0.18 5	
2003 3	$3/2^-$	0.33 5	
2023 3		0.18 5	

[†] As given in 1979Sz06 taken from literature (1975Me17 and a JINR-P15-11026 (1977) preprint by Z. Wilhelmi et al.). These assignments are in general agreement with those in Adopted Levels.