

⁸⁸Sr(¹⁶O, ¹⁵N) [1979Wu08](#), [1973Ch10](#), [1973Na16](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 114, 1 (2013)	20-Oct-2012

[1979Wu08](#) (also [1978Wu07](#)): E=96 MeV. Recoil method. Measured $\sigma(\theta)$, DWBA, FWHM=100-120 keV; excited states in ⁸⁹Y from ¹⁵N g.s. and ¹⁵N 6330 state.

[1973Ch10](#) (also [1973Be12](#)): E=60 MeV. Measured $\sigma(\theta)$, DWBA analysis for g.s. (L=0), 910 (L=5), 1500 (L=2), 2700 (L=5), 3670 (L=3), 4600.

[1973Na16](#) (also [1974NaZT](#)): E=42.5-50 MeV. Measured excitation functions, FWHM=150 keV, DWBA analysis for g.s., 910, 1510+1740 levels.

[1973An16](#) (also [1973An15](#)): E=44-59 MeV. Measured $\sigma(\theta)$, FWHM≈400 keV, DWBA analysis for g.s. (L=0), 910 (L=5) and 3750 (L=3) states.

[Additional information 1.](#)

⁸⁹Y Levels

E(level) [†]	J ^π #	L [†]	S [‡]	Comments
0 [@]	1/2 ⁻	0	3.3	L: L=2 (1979Wu08) for excitation from ¹⁵ N 6330 state.
910 [@]	9/2 ⁺	5	1.0	L: L=3+5 (1979Wu08) for excitation from ¹⁵ N 6330 state.
1510 [@]	3/2 ⁻	2	0.23	
1740	5/2 ⁻	2		
2220	5/2 ⁺	3		
2610	9/2 ⁺	5		E(level): 2700, L=5 (1973Ch10).
2880	(3/2) ⁻	2		
3060	3/2 ⁻			
3510	(3/2) ⁻			
3720	5/2 ⁺	3		E(level): 3670, L=3 (1973Ch10).
4180	5/2 ⁺	3		
4580	5/2 ⁺	3		E(level): 4600 (1973Ch10).
4940				
5080	(1/2 ⁺)			
5870				
6280		3		E(level): mixed with a group at 6200.
6780				
7710				

[†] From [1979Wu08](#).

[‡] C²S from [1973Ch10](#).

From Adopted Levels.

[@] Also excited from ¹⁵N 6330 state ([1979Wu08](#)).