$^{87}\text{Sr}(^3\text{He,d}),(\alpha,\text{t})$ 1971Co20

	History		
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. A. Mccutchan and A. A. Sonzogni	NDS 115, 135 (2014)	1-Nov-2013

J^π(target)=9/2$^+$.

E(^{3}He)=18 MeV. E(α)=25 MeV. Measured $\sigma(\theta)$ using split-pole magnetic spectrometer and photographic emulsions (FWHM=25 keV); DWBA analysis. All data quoted by 1971Co20 are from (^{3}He,d). (α,t) results are used only as an independent check in case of ambiguous results.

^{88}Y Levels

E(level)[†]	L[‡]	C^{2}S[‡]	E(level)[†]	L[‡]	C^{2}S[‡]	E(level)[†]	L[‡]	C^{2}S[‡]
0	1	0.82	1282[#] 5	4+(1)	1.15	1881 5	(1)	
234 5	1	0.83	1323 5	1	(0.2)	1913 5	1	
678 5	4	1.18	1478 5	4	1.0	1952 5	(4)	0.39
712[#] 5	4	1.04	1573 5			1971 5		
847 5	4	1.12	1598 5	1		2056 5	4	0.37
989 5	4	1.06	1705 5			2136 5	(1)	
1092 5	(1)		1732 5	(1)		2252 5		
1134 5	1	(0.076)	1765 5			2305 5		
1225[#] 5	4	0.86	1832 5	1				

[†] From (^{3}He,d), (^{3}He,α), and (^{3}He,t) measurements of 1971Co20.

[‡] From DWBA analysis. Values of C^{2}S are normalized to 1.0 for the 1478 level. L=4 is taken as g$_{9/2}$ transfer and L=1 as p$_{1/2}$ transfer.

[#] Doublet.