^{84}Sr(p,t) 1973Ba56

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. K. Tuli, E. Browne	NDS 157, 260 (2019)	1-Mar-2019

E=31 MeV. Enriched target. Magnetic spectrometer, resolution 18 keV. Measured angular distributions.

^{82}Sr Levels

E(level)	L†	S‡	E(level)	L†	S‡	E(level)	L†	S‡	E(level)	L†	S‡
0	0	15.8	1310 *5*	0	1.8	2405 *5*	3	0.9#	2885 *5*	(2)	0.8
575 *5*	2	2.6	1865 *5*	2	0.2	2665 *5*	0	0.7	2920 *5*		
1175 *5*	2	1.0	2195 *5*	2	0.2	2820 *5*	(4,5)				

† From DWBA.
‡ Enhancement factor ε which relates σ(exp) to σ(DWBA). See 1973Ba56 for exact definition. Configuration=(ν $1g_{9/2}$)^{10}0 to (ν $1g_{9/2}$)^{8}J transitions assumed if not indicated otherwise.
# Configuration=((ν $1g_{9/2}$)^{10}0(ν $1p_{3/2}$)^{4}0)0 to Configuration=((ν $1g_{9/2}$)^{9}9/2(ν $1p^{3}_{3/2}$3/2)J transition assumed.