^{78}Kr(^{3}He,d) 1987St11

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 135, 193 (2016)	31-May-2016

E=18 MeV. Enriched (99.5%) target, FWHM=50 keV. Measured $\sigma(\theta)$ and results compared with DWBA calculations. See also 1983StZQ from the group. Measured Q value=−1585 *10*.

^{79}Rb Levels

E(level)[†]	L	S[‡]	E(level)[†]	L	S[‡]	E(level)[†]	L	S[‡]
0	2	0.73	449 *10*	1	0.15	1294[@] *10*	1+4	0.091,1.07
93[#] *10*	4	9.12	645[@] *10*	1+3	0.29,0.53	1400[@] *10*	1+2	0.029,0.06
137[#] *10*	1	0.90[&]	849 *10*	0	0.21	1490[@] *10*	0+2	0.007,0.13
283[#] *10*	1	1.09	997[@] *10*	0+2	0.042,0.30	2093 *10*	0	0.16
366[#] *10*	3	2.25	1182 *10*	0	0.085			

[†] Uncertainty of 10 keV assigned from a similar uncertainty given on Q values.
[‡] ((2J+1)σ(exp)/σ(DWBA))/4.42. The following proton orbitals are assumed for different L values: $2p_{1/2}$ for L=1, $2d_{5/2}$ for L=2, $1f_{5/2}$ for L=3 and $1g_{9/2}$ for L=4.
[#] Not fully resolved from a nearby level.
[@] Mixed L-transfer indicates a doublet.
[&] For $2p_{3/2}$ orbital.