^{94}Zr(d,t) 1963Co10

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 112, 1163 (2011)	15-Dec-2010

E=15 MeV, enriched targets, spectrograph + photographic emulsions, FWHM=75-100 keV for (d,p) reaction on same target, θ=47°.

^{93}Zr Levels

E(level)[†]	J$^{\pi}$[‡]	C^{2}S[#]
0.0	5/2$^+$	3.4 *10*
940	1/2$^+$	0.32 *16*
1460	3/2$^+$	0.15 *5*
1650	7/2$^+$	0.27 *14*
1910	1/2$^+$	0.06 *3*
2000	5/2$^+$	0.15 *5*
2080	7/2$^+$	≈0.20
2200	5/2$^+$	≈0.07
2330	7/2$^+$	0.16 *8*
2480	3/2$^+$	0.28 *8*

[†] Uncertainties in excitation energies are unstated by authors.
[‡] Assumed by authors for deduction of C^{2}S; L not determined in this experiment.
[#] From comparison with DWBA calculations; empirical normalization.