

$^{91}\text{Zr}(d, ^3\text{He})$  1980Ho05

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, E. A. Mccutchan		NDS 165, 1 (2020)	1-Mar-2020

$J^\pi(^{91}\text{Zr})=5/2^+$ .

1980Ho05: E=24.3 MeV. Measured  $\sigma(\theta)$ ,  $\theta=6^\circ-50^\circ$ , magnetic spectrograph, multi-wire proportional chamber. FWHM = 30-35 keV.

Other: 1974Co34.

L values and spectroscopic factors are from comparison with DWBA calculations.

 $^{90}\text{Y}$  Levels

E(level)	L	C <sup>2</sup> S <sup>†</sup>	E(level)	L	C <sup>2</sup> S <sup>†</sup>	E(level)	L	C <sup>2</sup> S <sup>†</sup>	E(level)	L	C <sup>2</sup> S <sup>†</sup>
0	1	0.48	950	4	0.09	1420	1+3	0.47+0.53	1810	1+3	0.22+0.46
200	1	0.63	1050	4	0.13	1570	1+3	0.90+0.85	2030	3	1.07
680	4	0.31	1190			1640	1+3	0.21+1.09			
780	4	0.09	1300	4	0.11	1760	1+3	0.12+0.37			

<sup>†</sup> The results deviate a factor of two from 1974Co34, probably due to non-locality corrections in wave functions.