

$^{96}\text{Zr}(\text{p,d})$  1967St24

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, G. Mukherjee, A. A. Sonzogni		NDS 111, 2555 (2010)	30-Jun-2009

E=19.4 MeV. Measured  $\sigma(\theta(\text{c.m.})=20^\circ$  to  $120^\circ)$ ; surface-barrier detector telescope. FWHM(elastic peak)=120 keV. DWBA.

[Additional information 1.](#)

 $^{95}\text{Zr}$  Levels

E(level)	$J^\pi^\dagger$	L	C <sup>2</sup> S	E(level)	$J^\pi^\dagger$	L	C <sup>2</sup> S	E(level)	$J^\pi^\dagger$	L	C <sup>2</sup> S
0.0	5/2 <sup>+</sup>	2	4.41	2030 40	9/2 <sup>+</sup>	(4)	2.20	2970 20	5/2 <sup>+</sup>	2	0.110
1020 20	1/2 <sup>+</sup>	0	0.047	2120 50				3320 30	9/2 <sup>+</sup>	4	1.37
1140 50	5/2 <sup>+</sup>	2	0.052	2370 50	5/2 <sup>+</sup>	2	0.072	3650 10	9/2 <sup>+</sup>	4	2.96
1790 40				2510 40	5/2 <sup>+</sup>	2	0.040				

<sup>†</sup> Assumed for the extraction of C<sup>2</sup>S.