

$^{64}\text{Zn}(\text{p,d}), (\text{pol p,d})$ 1978Me17,1968Jo16

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Huo Junde, Yang Dong, Huo Meirong,	ENSDF	28-Aug-2008

1978Me17: E=18 MeV, polarized beam, FWHM=25 keV, vector-analyzing power data.

1968Jo16: E=26 MeV, FWHM=100 keV.

Other: 1976Gu08.

All data for E(level)<1400 are taken from 1978Me17, other data are from 1968Jo16, unless otherwise noted.

 ^{63}Zn Levels

E(level)	J^π @	L#	S^a	E(level)	J^π @	L#	S^a	E(level)	J^π @	L#	S^a
0	$3/2^-$ &	1	1.3	1392	(1)			2850	$7/2^-$	3	0.20
193	$5/2^-$ &	3	2.9	1420	$3/2^-$	1	0.06	3010	$7/2^-$	3	0.24
248	$1/2^-$ &	1	0.21	1436 [‡]	(3)			3380	$7/2^-$	3	0.51
627 [†]	$1/2^-$ &	1	0.27	1680	$7/2^-$	3	0.62	3960	$3/2^-$	1	0.01
1023	$3/2^-$ &	1	0.38	1910	$3/2^-$	1	0.09	4320	$7/2^-$	3	0.28
1064	$7/2^-$	3	0.37	2160	$3/2^-$	1	0.07	4800	$7/2^-$	3	0.19
1066	$1/2^-$ &	1	0.21	2520	$3/2^-$	1	0.06	5320	$3/2^-$	(1)	0.24
1207	$7/2^-$ &	3	0.63	2640	$7/2^-$	3	0.81	6640	$7/2^-$	3	0.28
1284		(3)		2760	$7/2^-$	3	0.18	7160	$7/2^-$	3	0.35

[†] Unresolved triplet.

[‡] From 1978Me17.

From DWBA analysis of $\sigma(\theta)$.

@ Assumed values, unless otherwise stated.

& From vector-analyzing power (1978Me17).

^a $S=C^2S$.