

$^{68}\text{Zn}(p,n)$  1970Ba64

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	E. A. McCutchan	NDS 113, 1735 (2012)	1-Mar-2012

1970Ba64: E(p)=2.9-6.3 MeV. Measured neutron time of flight with three NE-213 liquid scintillator detectors (FWHM=10 keV); Hauser-Feshbach analysis.

1970Eg02: E(p)=4.1-5.1 MeV. Measured neutron time of flight with an NE-213 liquid scintillator detector (FWHM=10 keV), excitation function, and  $\sigma(\theta)$ ; Hauser-Feshbach analysis.

1957Ch30: E(p)=3.7-5.6 MeV. Measured neutron yield using counter ratio method with  $\text{BF}_3$  counters (FWHM=10 keV).

Other: 1955Br16.

 $^{68}\text{Ga}$  Levels

E(level) <sup>†</sup>	$J^\pi$ <sup>‡</sup>	E(level) <sup>†</sup>	$J^\pi$ <sup>‡</sup>	E(level) <sup>†</sup>	E(level) <sup>†</sup>
0.0	1 <sup>+</sup>	587 3	(1 <sup>-</sup> )	1107 4	1425 4
176 2	2 <sup>+</sup>	678 3	(0 <sup>-</sup> )	1128 3	1461 4
324 2	1 <sup>+</sup>	809 4		1219 5	1495 4
378 <sup>#</sup> 2	(2 <sup>+</sup> , 3 <sup>+</sup> )	828 5		1239 <sup>#</sup> 4	1523 4
496 4	(5 <sup>+</sup> )	844 4		1275 3	1551 5
517 3	(1 <sup>+</sup> )	879 3		1297 <sup>#</sup> 3	1563 4
556 5	(4 <sup>+</sup> )	952 3		1322 4	1590 <sup>#</sup> 4
568 4	(2 <sup>+</sup> )	1066 3		1340 4	1617 4

<sup>†</sup> From 1970Ba64.

<sup>‡</sup> From  $\sigma(E_p)$  using HF analysis (1970Ba64).

<sup>#</sup> Doublet.