

$^{58}\text{Ni}(\text{p,d}) \text{E}=121 \text{ MeV}$  [1978An19](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	M. R. Bhat	NDS 85, 415 (1998)	24-Sep-1998

Measured  $\sigma(\theta)$ . QDDM spectrograph; FWHM= 125 keV. DWBA. These data were obtained with the express purpose of testing the normal DWBA methods at a higher than usual bombarding energy.

 $^{57}\text{Ni}$  Levels

<u>E(level)<sup>†</sup></u>	<u>J<math>\pi</math><sup>‡</sup></u>	<u>L<sup>#</sup></u>	<u>C<sup>2</sup>S<sup>#@</sup></u>	<u>E(level)<sup>†</sup></u>	<u>J<math>\pi</math><sup>‡</sup></u>	<u>L<sup>#</sup></u>	<u>C<sup>2</sup>S<sup>#@</sup></u>	<u>E(level)<sup>†</sup></u>	<u>J<math>\pi</math><sup>‡</sup></u>	<u>L<sup>#</sup></u>	<u>C<sup>2</sup>S<sup>#@</sup></u>
0.0	3/2 <sup>-</sup>	1	1.25	3362	7/2 <sup>-</sup>	3	0.075	5235	7/2 <sup>-</sup>	3	1.21
769	5/2 <sup>-</sup>	3	0.44	3700	7/2 <sup>-</sup>	3	0.092	5580	1/2 <sup>+</sup>	0	1.08
1113	1/2 <sup>-</sup>	1	0.15	3840 <sup>&amp;</sup>	(1),(2)			6027	3/2 <sup>+</sup>	2	0.54
2578	7/2 <sup>-</sup>	3	2.13	4220	7/2 <sup>-</sup>	3	0.18				
3232	7/2 <sup>-</sup>	3	0.30	4572	7/2 <sup>-</sup>	3	0.13				

<sup>†</sup> Nominal value from Adopted Levels.

<sup>‡</sup> Assumed for extraction of C<sup>2</sup>s.

<sup>#</sup> From DWBA.

<sup>@</sup> [Additional information 1.](#)

<sup>&</sup> Appears to be unresolved doublet from  $\sigma(\theta)$ .