

${}^{61}\text{Ni}(d, {}^3\text{He})$  1978Ta02

<u>Type</u>	<u>Author</u>	<u>History</u>	<u>Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	E. Browne, J. K. Tuli		NDS 114, 1849 (2013)	31-Dec-2012

$J^\pi({}^{61}\text{Ni})=3/2^-$ .

$E(d)=16$  MeV. Measured  $\sigma(\theta)$  for  $15^\circ$  to  $70^\circ$ . Magnetic spectrograph, enriched target (100%). FWHM $\approx$ 15 keV. L-values and spectroscopic factors from comparison with DWBA with no spin-orbit interaction. Normalization factor=2.95 (1978Ta02).

 ${}^{60}\text{Co}$  Levels

<u>E(level)</u>	<u>L</u>	<u>S</u>
0.0	3	2.76
55 3	3	1.32
289 3	3	0.64
436 4	(3)	0.08
506 3	3	0.59
539 4	(3)	0.03
618 3	3	0.47
788 3	3	1.01
1008 4	3	0.50