

$^{58}\text{Ni}(^{16}\text{O},^{16}\text{O}')$  2005A103

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Caroline D. Nesaraja, Scott D. Geraedts and Balraj Singh		NDS 111,897 (2010)	12-Jan-2010

2005A103 (also 2005A145): E=46 MeV. Measured:  $\sigma(E,\theta)$ , coupled-channel calculations.

1998Ke01: E=35-60 MeV,  $\sigma(\theta)$ , coupled-channel calculations.

1996Ch03: E=34-37 MeV,  $\sigma(\theta)$ , deduced B(E2).

1995Ke01: E=60-120 MeV,  $\sigma(\theta)$ .

1989Es07:  $^{58}\text{Ni}(^{16}\text{O},^{16}\text{O})$ ,  $(^{16}\text{O},^{16}\text{O}')$ ; coupled-channel analysis of elastic and inelastic scattering.

 $^{58}\text{Ni}$  Levels

E(level)	$J\pi^\dagger$	Comments
0.0	$0^+$	
1450	$2^+$	B(E2)( $\uparrow$ )=0.0688 34, $\beta_c=0.233$ 6, $\beta_n=0.22$ 3 (1996Ch03).

$^\dagger$  Adopted values.