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 $^{64}\text{Ni}(\text{C}^{12}, \text{B}^{11}), (\text{O}^{16}, \text{N}^{15})$     **1974Cu02**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli		NDS 111, 2425 (2010)	1-Aug-2009

All data are from [1974Cu02](#).

$E(^{12}\text{C})=48$  MeV,  $E(^{16}\text{O})=56$  MeV; measured  $\sigma(E,\theta)$ ,  $\theta=15^\circ-65^\circ$ ;  $E/\Delta E$  telescopes, FWHM=200 keV ( $^{11}\text{B}$ ), 250 keV ( $^{15}\text{N}$ ); no-recoil and exact finite-range DWBA analyses.

See [1974Cu02](#) for full discussion of DWBA analyses and spectroscopic values.

 $^{65}\text{Cu}$  Levels

$E(\text{level})^\dagger$
0
770
1110
1480
1620
2510

<sup>†</sup> Uncertainty not given by [1974Cu02](#) but estimated by the evaluators as  $\approx 100$  keV from the resolution.