

¹⁰⁰Ru(¹⁴C, ¹⁶O)

1984Wa05

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen, Balraj Singh		NDS 164, 1 (2020)	15-Feb-2020

1984Wa05: E=60 MeV ¹⁴C beam from the Los Alamos tandem. Target was self-supporting ¹⁰⁰Ru. Reaction products were momentum-analyzed with a Q3D spectrometer. Measured $\sigma(\theta)$. Deduced spectroscopic factors from the analysis with DWBA and IBA model calculations, given by 1985Wa21.

⁹⁸Mo Levels

E(level)	J π^{\ddagger}	S †	Comments
0	0 ⁺	5.7 4	$\sigma(\text{maximum})=193 \mu\text{b/sr}$ 15.
735	0 ⁺	10.3 13	S: from S(735)/S(g.s.)=1.8 2. $\sigma(\text{maximum})=53 \mu\text{b/sr}$ 7.

[†] $\sigma(\text{exp})/\sigma(\text{DWBA})$.
[‡] From Adopted Levels.