$^{14}C(^{16}O,^{16}O)$:res 1990Ab07,1981Ko07

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia, A. Chakraborty	NDS 197,1 (2024)	31-May-2024

1990Ab07: (^{16}O, ^{16}O), E=38-54 MeV; measured $\sigma(\theta)$; deduced resonances, L.
1981Ko07: (^{16}O, ^{14}C), E(c.m.)=16.34 MeV; measured production σ; deduced resonance structure.
Other: 1976We05: $^{12}C(^{18}O,^{18}O)$, E(c.m.)=12-25 MeV; measured $\sigma(E,\theta)$.

^{30}Si Levels

E(level)†	L†	Comments
40.9×10^3	11	$E_{c.m.}=18.2\times10^3$ keV.
41.8×10^3	13	$E_{c.m.}=19.1\times10^3$ keV.
45.0×10^3		E(level): From 1981Ko07.
45.6×10^3	17	$E_{c.m.}=22.9\times10^3$ keV.
46.5×10^3	(15)	$E_{c.m.}=23.8\times10^3$ keV.

† From 1990Ab07, except where otherwise noted. L from measured $\sigma(\theta)$ and calculations.