$^{14}C(^{18}O,^{18}N)$ 1980Na14

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	R. Spitzer, J. H. Kelley	ENSDF	30-Jun-2021

1980Na14: The $^{14}C(^{18}O,^{18}N)$ reaction was measured using a E(^{18}O)=92.2 MeV beam from the Orsay Tandem. The ^{18}N reaction products were momentum analyzed using 180° double-focusing magnetic spectrograph having ΔE≈200 keV (FWHM). The ground state was observed with ΔM=13217 keV *40* along with an excited state at 575 keV. The ground state is later resolved as a doublet. See also (1979BeZL,1980BeYR).

^{18}N Levels

E(level)‡	Comments
0†	E(level): ΔM=13217 keV *40*.
575 *25*	

† The ground state was later resolved as a doublet in $^{18}O(^{7}Li,^{7}Be)$ (1983Pu01).
‡ Energies deduced in this work are unreliable because of the low-lying doublet.