^{10}Be(^{14}C,^{14}O) 1994Os04,2004Ti06

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu and J. L. Godwin, et al.	NP A745 155 (2004)	31-Mar-2004

1994Os04, 1995Vo05: ^{10}Be(^{14}C,^{14}O) E=334.4 MeV, measured energy spectra. ^{10}He deduced mass, mass excess, two-neutron separation energy, resonances, Γ, possible J, π.

1995Bo10, 1999Bo26: ^{10}Be(^{14}C,^{14}O) E=336 MeV, measured particle spectra, σ(θ) In some cases. ^{10}He deduced resonances, possible J, π, Γ.

^{10}He Levels

E(level)	J^{π}	$T_{1/2}$	Comments
0.0	(0^+)	300 keV *200*	T=3 E(level): Q=−41.19 MeV *7* for the ^{10}He ground state resonance corresponds to a mass excess of 48810 keV *70* which was adopted In (2003Au03). This gives S_{2n}=1070 keV *70*.
32.4×10^2 *20*	(2^+)	1000 keV *300*	T=3 E(level): corresponds to $E_{REL.}$=4310 keV *200* In the ^{8}He+2n system (1994Os04). Γ: from R-Matrix analysis (1994Os04).
6800 *70*	(3^-)	600 keV *300*	T=3 E(level): corresponds to $E_{REL.}$=7870 keV *60* In the ^{8}He+2n system (1994Os04). Γ: from R-matrix analysis (1994Os04).