

$^9\text{Be}(^{16}\text{O}, ^{14}\text{O})$ [2003Bo24,2004Bo12,2009Ha01](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu		NP A880, 88 (2012)	1-Jan-2011

Including $^9\text{Be}(^{16}\text{O}, ^{14}\text{O})$, $^{10}\text{Be}(^{14}\text{N}, ^{13}\text{N})$, $^{13}\text{C}(^{12}\text{C}, ^{14}\text{O})$.

[2003Bo24](#): $^{10}\text{Be}(^{14}\text{N}, ^{13}\text{N})$, $E=217.9$ MeV; measured excitation energy spectra. $^9\text{Be}(^{16}\text{O}, ^{14}\text{O})$, $E=233.5$ MeV; $^{13}\text{C}(^{12}\text{C}, ^{14}\text{O})$, $E=230.7$ MeV; measured $\sigma(\theta)$. ^{11}Be deduced levels, J, π , configurations, rotational bands.

[2003Bo38](#): ^{11}Be deduced levels, J, π .

[2003Bo50](#): $^9\text{Be}(^{16}\text{O}, ^{14}\text{O})$, $E=233.5$ MeV; $^{13}\text{C}(^{12}\text{C}, ^{14}\text{O})$, $E=230.7$ MeV; measured $\sigma(E, \theta)$. ^{11}Be deduced levels, J, π .

[2004Bo12](#): $^9\text{Be}(^{16}\text{O}, ^{14}\text{O})$, $E=233.5$ MeV; $^{13}\text{C}(^{12}\text{C}, ^{14}\text{O})$, E not given; measured $\sigma(E, \theta)$. ^{11}Be deduced levels, J, π , configurations.

[2009Ha01](#): $^9\text{Be}(^{16}\text{O}, ^{14}\text{O})$, $E=234$ MeV. Measured branching ratios, widths, neutron energies, neutron decay of excited states of ^{11}Be to ^{10}Be . ^{11}Be deduced levels, J, π , R-matrix formalism.

 ^{11}Be Levels

E(level)	J π	Comments
0	1/2 ⁺	
320	1/2 ⁻	J π : (2004Bo12).
1780	5/2 ⁺	J π : (2004Bo12).
2690	3/2 ⁻	J π : (2004Bo12).
3410?	(3/2 ⁺)	J π : (2004Bo12).
3900 <i>30</i>	5/2 ⁻	J π : (2004Bo12).
3960 <i>30</i>	3/2 ⁻	J π : (2004Bo12).
5.24×10 ³		E(level): from (2009Ha01) who also measured N-decay branching ratios.
5.96×10 ³		E(level): from (2009Ha01) who also measured N-decay branching ratios.
6.72×10 ³		E(level): from (2009Ha01) who also measured N-decay branching ratios.
7.10×10 ³		E(level): from (2009Ha01).
8.82×10 ³		E(level): from (2009Ha01) who also measured N-decay branching ratios.
10.70×10 ³		E(level): from (2009Ha01).