

$^9\text{Be}(^{12}\text{N}, ^{11}\text{N})$  [1998Az01](#)

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

[1998Az01](#):  $^9\text{Be}(^{12}\text{N}, ^{11}\text{N})$ , E=40 MeV/nucleon; measured projectile-like fragment decay  $\text{P}(^{10}\text{C})$ -coin.  $^{11}\text{N}$  deduced levels J,  $\pi$ ,  $\Gamma$ , proton decay branching ratios.

 $^{11}\text{N}$  Levels

E(level)	$T_{1/2}$	Comments
0?	>400 keV	E(level): from $^{11}\text{N}_{\text{g.s.}} = E_{\text{res}} = 1.49$ MeV 6, see comments In the Adopted Levels data set. for $^9\text{Be}(^{12}\text{N}, ^{11}\text{N})$ the reported ground state energy $E_{\text{res}} = 1.45$ MeV 40 from ( <a href="#">1998Az01</a> ) lies below the adopted ground state energy $E_{\text{res}} = 1.49$ MeV 6. The energies of higher excited states are deduced assuming $^{11}\text{N}_{\text{g.s.}} = E_{\text{res}} = 1.49$ MeV 6. E(level): from $E_{\text{res}} = 1.45$ MeV 40. Ambiguity exists In determining the $^{11}\text{N}$ parent level, since reactions involving higher lying $^{11}\text{N}$ that decay to excited states In $^{10}\text{C}$ are not distinguishable from population and decay of the $^{11}\text{N}$ ground state.
$0.75 \times 10^3$	740 keV	E(level): from the known $E_{\text{res}} \approx 2240$ keV ( <a href="#">1974Be20</a> ) and $^{11}\text{N}_{\text{g.s.}} = E_{\text{RES}} = 1.49$ MeV 6; the value was fixed In the analysis.