^{93}Nb(^{22}Ne,^{17}C) 2002Og02,2004Ue03

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, G. C. Sheu	ENSDF	01-May-2017

2001As07,2002Og02,2002Og14,2004Ue03: Spin-polarized ^{17}C ions, produced by fragmentation of a 110 MeV/nucleon ^{22}Ne beam at RIKEN, were implanted in a cryogenically cooled Pt stopper that was in a static magnetic field. A β-NMR technique was used to determine the ground state g-factor, $g(^{17}C)=0.5054$ *25* A comparison with theoretical expectations indicates $J^{\pi}=3/2^{+}$ where $\nu(d_{5/2})^3$ and $\nu(d_{5/2})^2 s_{1/2}$ share nearly equal strengths.

^{17}C Levels

E(level)	J^{π}	Comments
0	$(3/2^{+})$	g=0.5054 *25*