Table 9.15 from (2004TI06): Levels of ^{9}B from ^{10}B(p, d)^{9}B

$E_{\rm x}$ [a] (MeV)	$E_{\rm x}$ [b] (MeV)	$\Gamma_{\rm cm}$ [b] (MeV)	$C^2S_{\rm expt.}$ [a]	$C^2S_{\rm theor.}$ [c]	J^π [d]
0	0		0.44	0.59	$\frac{3}{2}^-$
2.4 ± 0.1	2.35 ± 0.02		0.60	0.58	$\frac{5}{2}^-$
7.1 ± 0.2	7.1 ± 0.2	2.15 ± 0.15	0.52	0.56	$\frac{7}{2}^-$
11.5 ± 0.2	11.75 ± 0.1	0.80 ± 0.05	1.12	0.78	$(\frac{7}{2})^-$
14.9 ± 0.3	14.6 ± 0.2	1.35 ± 0.2	0.32	0.24	$(\frac{5}{2})^-$

[a] (1969BA05): $E_{\rm p} = 155.6$ MeV.

[b] (1968KU04): $E_{\rm p} = 33.6$ MeV.

[c] (6–16)2BME interaction of (1965CO25). The relative spectroscopic factors for the $\frac{7}{2}^-$ levels are sensitive to the details of the effective interaction [co-author D.J.M.]. For the (8–16)POT interaction, see (1967CO32). (1968KU04) make a graphical comparison of relative experimental and theoretical spectroscopic factors; see also (1991AB04).

[d] J suggested by comparison with theory.