Adopted Levels   2018Le18

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, G. C. Sheu	ENSDF	01-Jan-2019

$Q(\beta^-)=3.274\times10^4$ *72*; $S(n)=-9.1\times10^2$ *55*   2017Wa10,2018Le18

$Q(\beta^-)$,$S(n)$: From $^{21}B_{g.s.}=E_{res}(2n+^{19}B)=2.47$ MeV *19*, which implies $\Delta M(^{21}B)=78.38$ MeV *40* (2018Le18).

Predictions on the mass of ^{21}B are given in (2006Ko02, 2012Yu07, 2017Wa10). Notably, (2017Wa10) had predicted $\Delta M=77.33$ MeV *90*.

^{21}B Levels

Cross Reference (XREF) Flags

A	^{9}Be(^{40}Ar,X)
B	^{12}C(^{22}C,^{19}B2n)

E(level)	J^{π}	$T_{1/2}$	XREF	Comments
0	$(3/2^-)$	<600 keV	B	%2n≈100