Adopted Levels

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. Kelley	ENSDF	31-March-2015

Q(β^-)=20.86×10^3 *10*; S(n)=−1.80×10^3 *16* 2012Wa38,2013Sn02

Values computed using ΔM=49821 keV *100* from 2013Sn02. This value compares with ΔM=49760 keV *400*, which was estimated in 2012Wa38.

Theoretical works:

2006Ko02: A chiral soliton model with a ≈ 30% rescaling of the Skyrme constant is used to estimate the mass excess of A=6 to 32 nuclides Also see calculations in (1987Sa15, 1985Po10, 1981Se06).

2015Fo04: Shell model analysis of ^{15}Be with an emphasis on evaluating the s- and d-shell single particle energies.

^{15}Be Levels

Cross Reference (XREF) Flags

A ^{2}H(^{14}Be,^{15}Be)
B ^{9}Be(^{17}C,^{15}Be2p)

E(level)	J$^\pi$	T$_{1/2}$	XREF	Comments
0	(5/2$^+$)	0.58 MeV *20*	A	%n≈100 Observed in the ^{14}Be$_{g.s.}$+n relative energy spectrum at E$_{rel}$=1.8 MeV *1*. In this case the mass excess is ΔM=49821 keV *100*. J$^\pi$,T$_{1/2}$: from 2013Sn02.