^{6}He β^- decay 2002Ti10

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Hu, Tilley, Kelley et al.	NP A708, 3 (2002)	23-Aug-2001

Parent: ^{6}He: E=0; $J^{\pi}=0^{+}$; $T_{1/2}$=806.7 ms *1*; Q(β^-)=3507.8 *11*; %β^- decay=100.0

1979Ga20: ^{6}He [from $^{6,\ 7}$Li,D),(n,p),^{9}Be(N,α) E=14.7 MeV], measured β-decay $T_{1/2}$.

1982Al17: ^{6}He [from ^{9}Be(N,α)], measured β-decay $T_{1/2}$.

1990Ri01: ^{6}He(β-), measured αd-coin following β-delayed deuteron emission, deduced branching ratio. ^{6}Li levels deduced Gamow-Teller transition strength.

1991Bo31: ^{6}He [from U, TH(p,X) E=600 MeV], measured continuum particle spectra following β-decay, deduced log ft, Gamow-Teller transition strength, level Γ, di-neutron, neutron halo roles.

1993Bo24: ^{6}He(β-), measured β-delayed deuteron spectrum, deduced branching ratio.

^{6}Li Levels

E(level)	J^{π}
0	1^{+}

β^- radiations

E(decay)	E(level)	Iβ^- [†]	Log *ft*	Comments
(3507.8 *11*)	0	100	2.9059 *7*	av Eβ=1567.62 *54*

[†] Absolute intensity per 100 decays.