

$^{11}\text{Li } \beta^- \text{n decay}$ [2004Ti06](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu and J. L. Godwin, et al.		NP A745 155 (2004)	31-Mar-2004

Parent: ^{11}Li : $E=0$; $J^\pi=3/2^-$; $T_{1/2}=8.7$ ms I ; $Q(\beta^- \text{n})=20676$ 80; $\% \beta^- \text{n decay}=?$

[1997Ao01](#): $^{11}\text{Li}(\beta^-)$, measured β -N- γ -coin. Deduced log ft .

[1997Ao04](#): $^{11}\text{Li}(\beta^-)$, measured β -delayed neutron, γ -spectra, $\gamma\gamma\gamma$ -coin. Deduced log ft , halo neutron related features. ^{10}Be deduced levels. Tof.

[1997Mo35](#): $^{11}\text{Li}(\beta^- \text{N})$, measured β -delayed E_n , I_n , E_γ , I_γ , $T_{1/2}$.

[2004Fy01](#): $^{11}\text{Li}(\beta^- \text{N})$, measured β -delayed E_γ , I_γ , $\beta\gamma$ -coin, DSA. Deduced neutron spectrum. ^{10}Be deduced excited states $T_{1/2}$.

[2004Hi12](#): $^{11}\text{Li}(\beta^- \text{N})$, measured β -delayed E_n , E_γ , $\beta\gamma^-$, βn -coin following decay of spin-polarized source. Deduced log ft . ^{10}Be deduced levels, transition intensities.

[2004Hi24](#): $^{11}\text{Li}(\beta^- \text{N})$, measured β -delayed E_γ , E_n , asymmetry following decay of spin-polarized source. ^{10}Be deduced levels, J , π .

[2004Sa46](#): $^{11}\text{Li}(\beta^- \text{N})$, measured E_γ , I_γ , β -delayed neutron spectra. ^{10}Be deduced levels, J , π , halo features.

[2005Hi03](#): $^{11}\text{Li}(\beta^- \text{N})$, measured β -delayed E_γ , E_n , asymmetry following decay of spin-polarized source. ^{10}Be deduced levels, J , π , S-factors.

 ^{10}Be Levels

E(level)	J^π	Comments
0	0^+	E(level): from (1997Ao01 , 1997Ao04 , 1997Mo35).
3368	2^+	E(level): from (1997Ao01 , 1997Ao04 , 1997Mo35).
5958	2^+	E(level): from (1997Ao01 , 1997Ao04 , 1997Mo35).
6179	0^+	E(level): from (1997Ao01 , 1997Ao04 , 1997Mo35).
9403		E(level): from (1997Mo35).