

Adopted Levels 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

$Q(\beta^-)=20445$ 13; $S(n)=-26$ 13; $S(p)=1.517\times 10^4$ 5; $Q(\alpha)=-1.12\times 10^4$ 3 [2012Wa38](#)

Note: Current evaluation has used the following Q record 20444 15 -25. 15 14008 62-11.23E326 [2003Au03,2004Ti06](#).

 ^{10}Li LevelsCross Reference (XREF) Flags

A	$^1\text{H}(^{11}\text{Li},\text{Particle normalization})$	E	$^9\text{Be}(^{13}\text{C},^{12}\text{N}),^{10}\text{Be}(^{12}\text{C},^{12}\text{N})$	I	$^{11}\text{B}(^7\text{Li},^8\text{B})$
B	$^2\text{H}(^9\text{Li},\text{P})$	F	$^9\text{Be}(^{15}\text{N},^{14}\text{O})$	J	$\text{C}(^{11}\text{Li},\text{N9Li}),(^{11}\text{Be},\text{N9Li})$
C	$^9\text{Be}(^9\text{Be},^8\text{B})$	G	$^9\text{Be}(^{18}\text{O},\text{N9Li})$	K	$\text{C}(^{18}\text{O},\text{N9Li})$
D	$^9\text{Be}(^{11}\text{Be},\text{X})$	H	$^{11}\text{B}(\pi^-,p)$	L	$^{14}\text{C}(\pi^-,2d)$

E(level)	J^π	$T_{1/2}$	XREF	Comments
0 25	($1^-,2^-$)		D GHIJK	%n=100 T=2 E(level): ground state is at $E_{\text{rel}}(^9\text{Li}+n)=25$ keV (2003Au03).
210 [†] 40	1^+	100 keV 70	b E	E(level): Γ : from resonance reported in (1999Bo26).
470 [†] 30		360 keV 20	AbC EF IJ L	E(level): Γ : from weighted average of (1994Yo01 , 1998Go30 , 1999Bo26 , 1999Ca48).
6.7×10^2 [†] 20	(2^-)	0.1 MeV 1	C E H	E(level): Γ : from $^{11}\text{B}(\pi^-,p)$.
1370 [†] 80	($2^-,1^-$)	200 keV 70	E	E(level): Γ : from resonance reported in (1999Bo26).
≈ 1600 [†]			J	E(level): from $\text{C}(^{11}\text{Li},^9\text{Li}+n)$.
23.3×10^2 [†] 10	($1^+,3^+$)	1.2 MeV 4	E	E(level): Γ : from resonance reported in (1999Bo26).
2820 [†] 70	($1^-,2^+$)	0.3 MeV 2	E	E(level): Γ : from resonance reported in (1999Bo26).
41.6×10^2 [†] 10		120 keV 80	E	E(level): Γ : from resonance reported in (1999Bo26).
46.0×10^2 [†] 10	($3^-,2^+$)	0.2 MeV 1	E	E(level): Γ : from resonance reported in (1999Bo26).
52×10^2 [†] 2		≈ 0.4 MeV	A L	E(level): from $^{14}\text{C}(\pi^-,2d)$.
57×10^2 [†] 1		200 keV 100	E	E(level): Γ : from resonance reported in (1999Bo26).

[†] Decay mode not specified.