

Adopted Levels 2002Ti10

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

$Q(\beta^-)=3505.22$ 6; $S(n)=1710$ 20; $S(p)=2.259\times 10^4$ 9 [2012Wa38](#)

Note: Current evaluation has used the following Q record 3507.8 111867. 5026.52E3 95

[1997Au07](#).

 ${}^6\text{He}$ LevelsCross Reference (XREF) Flags

A	${}^4\text{He}(t,p)$	F	${}^7\text{Li}(n,d)$	K	${}^{11}\text{B}({}^7\text{Li}, {}^{12}\text{C})$
B	${}^6\text{Li}(\pi^-, \gamma)$	G	${}^7\text{Li}(t, \alpha)$	L	${}^6\text{Li}(e, \pi^+)$
C	${}^6\text{Li}(n,p)$	H	${}^7\text{Li}({}^3\text{He}, p^3\text{He})$	M	${}^7\text{Li}(\gamma, p), {}^7\text{Li}(e, e'p)$
D	${}^6\text{Li}(t, {}^3\text{He})$	I	${}^7\text{Li}({}^6\text{Li}, {}^7\text{Be}), {}^7\text{Li}({}^7\text{Li}, {}^8\text{Be})$		
E	${}^6\text{Li}({}^7\text{Li}, {}^7\text{Be})$	J	${}^9\text{Be}(n, \alpha)$		

E(level)	J^π	$T_{1/2}$	XREF	Comments
0.0	0^+	806.7 ms 15	ABCDEF G I JKLM	$\% \beta^- = 100$ T=1
1797 25	2^+	113 keV 20	ABCDEF G I JKLM	$\% n = ?; \% \alpha = ?$ T=1
5.6×10^3 † 3	$(2^+, 1^-, 0^+)$	12.1 MeV 11	DE	T=1
13.9×10^3 † 2	$(1^-, 2^-)$	7.4 MeV 10	DEFG I L	T=1 E(level): average of 13.6 MeV 5 (1988Aj01) and 14.6 MeV 7 (1996Ja11).
15.5×10^3 † 5		4 MeV 2	BC F I M	
24.2×10^3 † 7		10.9 MeV 15	BC EF	E(level): average of 25. MeV 1 (1988Aj01) and 23.3 MeV 10 (1996Ja11). Γ : Average of 8 MeV 2 (1988Aj01) and 14.8 MeV 23 (1996Ja11).
$32. \times 10^3$ †		≤ 2 MeV	H	
$36. \times 10^3$ †		≤ 2 MeV	H	

† Decay mode not specified.