Energy levels and branching ratios [02Ti10].

$^{6}_{3}$Li

E^* [keV]	J^π	T	$\Gamma_{\gamma 0}$ [meV]	$B(E2)$ $[e^2fm^4]$	S_N (p,d)	$T_{1/2}$ or Γ_{cm}	Ref.	Branching ratios in percentage E_f^*: 0.0 J_f^π: 1^+
0.0	1^+	0			0.62	Stable	69Ba05	
2186(2)	3^+	0	44.0(34)	25.6(20)	0.71	24(2) keV	02Ti10	x
3562.9(1)	0^+	1	8190(170)		0.26	8.2(2) eV	02Ti10 02Li05	x
4312(22)	2^+	0	5.4(28)		0.14	1.3(1) MeV	02Ti10	x
5366(15)	2^+	1	270(50)		0.27	541(20) keV	69Ba05	x
5650(50)	1^+	0			incl	1.5(2) MeV	02Ti10	
15800	3^+					18.0(8) MeV	02Ti10	
17985(25)	2^-	1				3.00(1) MeV	02Ti10	
21500	0^-							
23000(2)	4^+					12(2) MeV	02Ti10	
24779(54)	3^-	1				6.7(1) MeV	02Ti10	
24890(55)	4^-	1				5.3(1) MeV	02Ti10	
26590(65)	2^-	1				8.7(1) MeV	02Ti10	
31000	3^+							
			02Ti10	02Ti10	69Ba05		Ref.	

Additional data on this isotope can be found in [04Na14, 02Li05, 01Na29, 00Go35, 95Oh03, 90Mo10].

Abundance: 7.59(4) %.

Data for this isotope are considered in vol. LB I/18A.

Energy levels and branching ratios [02Ti10].

$^{7}_{3}$Li

E^* [keV]	$2J^\pi$	$2T$	$\Gamma_{\gamma 0}$ [meV]	$T_{1/2}$ or Γ_{cm}	Ref.	Branching ratios in percentage E_f^*: 0.0 $2J_f^\pi$: 3^-
0.0	3^-	1	$2.8(16)\cdot10^{-4}$	Stable		
477.612(3)	1^-	1	6.30(31)	73(2) fs	02Ti10	x
4630(9)	7^-	1		93(8) keV		x
6680(50)	5^-	1		0.88(+20-10) MeV		
7459.5(10)	5^-	1	600(300)	89(7) keV	02Ti10	
9670(100)	7^-			≈400 keV		
9850	3^-			≈1200 keV		
11240(30)	3^-	3		260(35) keV	05Ko10	
13700				≈500 keV		
14700				≈700 keV		
			02Ti10		Ref.	

Additional data on this isotope can be found in [01Na29].

Abundance: 92.41(4) %.

Data for this isotope are considered in vol. LB I/18A.

Energy levels and branching ratios [04Ti06]. **$^{8}_{3}$Li**

E^* [keV]	J^π	L (t,p)	I_p (t,p)	C^2S (t,α)	$n\ell j$	C^2S (d,τ)	$C^2S_p^+$ theor	$n\ell j$	$T_{1/2}$ or Γ_{cm}	Ref.
0.0	2^+	2	1.0	1.059	1p3/2	1.63	0.9+0.1	p3/2+p1/2	838(6) ms	78Aj02 88Li27
980.8(1)	1^+	0	0.6	0.636	1p3/2	0.61	0.21+0.2	p3/2+p1/2	8(3) fs	78Aj02 88Li27
2255(3)	3^+	2	1.9	0.693	1p3/2	0.48	0.35	p3/2	33(6) keV	78Aj02 88Li27
3210	1^+								≈1 MeV	
5400	$\langle 0,1\rangle^+$								0.6 MeV	
6100(100)	$\langle 3\rangle$								≈1 MeV	
6530(20)	4^+	≥4	0.2			0.092			35(15) keV	78Aj02 77Oo01
7100(100)									≈400 keV	
8000	$\langle 1^+\rangle$								≈1 MeV	
9000									≈6 MeV	
10822(6)	0^+								<12 keV	
			78Aj02			77Oo01	88Li27			Ref.
				88Li27				67Co32		Ref.

Additional data on this isotope can be found in [93Bo24, 91Br14, 91Ly01].
I_p is a relative intensity of protons in the center-of-mass system at 25° [78Aj02].
Uncertainties in E^* and $T_{1/2}$ are given in Supplement.

Energy levels and branching ratios [04Ti06]. Part 2 **$^{8}_{3}$Li**

E^* [keV]	J^π	Branching ratios in percentage E_f^*: 0.0 J_f^π: 2^+
980.8(1)	1^+	x
2255(3)	3^+	x

Energy levels [04Ti06, 03Ro07]. **$^{9}_{3}$Li**

E^* [keV]	$2J^\pi$	$2T$	L (t,p)	I_p (t,p)	$T_{1/2}$ or Γ_{cm}	Ref.
0.0	3^-	3	0	1.0	178.3(4) ms	78Aj02
2691(5)	1^-			0.2		04Ti06
4296(15)	$\langle 5^-\rangle$		$\langle 1\rangle$	2.4	100(30) keV	03Mo12
5380(60)					0.6(1) MeV	
6430(15)	≥9		≥4	0.4	40(20) keV	78Aj02
16000(100)					<100 keV	03Ro07
17100(200)					800(300) keV	03Ro07

(continued) **$^{9}_{3}$Li**

E^* [keV]	$2J^\pi$	$2T$	L (t,p)	I_p (t,p)	$T_{1/2}$ or Γ_{cm}	Ref.
18900(100)				78Aj02	240(100) keV	03Ro07 Ref.

Additional data on this isotope can be found in [05Gu29].
I_p is a relative intensity of protons in the center-of-mass system at 25° [78Aj02].
Low-energy neutron capture in ^{8}Li important for astrophysics is considered in [03Mo12].