

Table 11.13 from (2012KE01): ^{11}Li β -decay scheme deduced in (2005HI03)

Decay to $^{11}\text{Be}^*$ (MeV \pm keV)	J^π	Branching ratio (%)	$\log ft$	^{11}Be n-decay to $^{10}\text{Be}^*$ (MeV)	Branching ratio (%)
0.32	$\frac{1}{2}^-$ ^a	7.7 ± 0.8	5.67 ± 0.04		
2.69	$\frac{3}{2}^-$	17 ± 4	5.06 ± 0.10	0	17 ± 4
3.41	$(\frac{3}{2}^-)$	0.9 ± 0.4	6.25 ± 0.10	0	0.9 ± 0.4 ^c
3.890 ± 1	$\frac{5}{2}^-$	22.7 ± 4.5	$4.78^{+0.07}_{-0.10}$	0	8.7 ± 2.0
				3.368	$14^{+3.2}_{-4.7}$
3.969^{+20}_{-9}	$\frac{3}{2}^-$	6.8 ± 2.4	$5.30^{+0.28}_{-0.13}$	0	1.5 ± 0.3
				3.368	$5.3^{+4.4}_{-2.1}$
5.24	$\frac{5}{2}^-$	2.4 ± 0.5	5.55 ± 0.08	3.368	2.4 ± 0.5
7.03	$(\frac{5}{2}^-)$	0.86 ± 0.17	5.77 ± 0.09	3.368	0.86 ± 0.17 ^c
8.020 ± 20 ^b	$\frac{3}{2}^-$	15.5 ± 3.1	4.30 ± 0.08	0	0.8 ± 0.1
				3.368	3.5 ± 0.7
				5.958	9.7 ± 1.4
				6.179	1.7 ± 0.3
8.82	$\frac{3}{2}^-$	8.9 ± 1.4	4.46 ± 0.07	6.263	2.2 ± 0.4
				7.371	6.7 ± 1.3 ^c
10.6	$\frac{5}{2}^-$	7.8 ± 1.8	4.18 ± 0.12	0	0.20 ± 0.05
				3.368	0.41 ± 0.08 ^c
				$(9.27$ ^c $+ 9.4)$ ^d	(7.2 ± 1.7)
16.3 ^e		0.048 ± 0.007	4.65 ± 0.08		
18.19 ^f		0.55 ± 0.06	2.45 ± 0.13		

^a From Adopted Levels.

^b $\Gamma = 230 \pm 55$ keV.

^c Decay path assumed to account for neutron energy spectrum.

^d Decays to $^9\text{Be} + n$ with intensity 3.4 ± 0.7 per 100 ^{11}Li decays.

^e From (2009MA31).

^f From (1997BO03, 2008RA23, 2009MA31, 2009MA72).