

Table 8.1 from (66LA04): Energy levels of ${}^8\text{Li}$

E_x (MeV \pm keV)	$J^\pi; T$	Γ (keV)	Decay	Reactions
g.s.	$2^+; 1$	$\tau_{1/2} = 849 \pm 4$ msec	β^-	1, 2, 3, 9, 10, 12, 14, 19, 20, 21
0.975 ± 12	$1^+, 2^+; 1$	$\tau < 0.2$ psec	γ	2, 9, 12
2.258 ± 3	$3^+; 1$	31 ± 5	γ, n	3, 4, 9
3.21	$(1^\pm, 2^+); 1$	≈ 1000	n, n ₁	5
(5.0)	$(2^-); 1$	broad	n	4
(6.4)		≈ 2000	n	4
6.53 ± 20	$T = 1$	< 40		16
(8.9 ± 400)	$(1^-, 2^-)$	≈ 4000		14