

Table 8.1 from (79AJ01): Energy levels of  ${}^8\text{Li}$

$E_x$ (MeV $\pm$ keV)	$J^\pi; T$	$\tau_m$ or $\Gamma_{c.m.}$ (keV)	Decay	Reactions
g.s.	$2^+; 1$	$\tau_{1/2} = 842 \pm 6$ msec	$\beta^+$	1, 2, 3, 10, 11, 13, 14, 15, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 31
$0.9808 \pm 0.1$	$1^+; 1$	$\tau_m = 12 \pm 4$ fsec	$\gamma$	2, 10, 12, 16, 17, 18, 19, 23, 25, 26, 27, 28, 29
$2.255 \pm 3$	$3^+; 1$	$\Gamma = 33 \pm 6$ keV	$\gamma, n$	2, 3, 4, 17, 18, 19, 23, 26
3.21	$1; 1$	$\approx 1000$	n	5
5.4		$\approx 650$	n	4, 5
$6.1 \pm 100$	$(3); 1$	$\approx 1000$	n	4, 5
$6.53 \pm 20$	$\geq 4$	$35 \pm 15$	n	2, 4, 18, 19, 23
$7.1 \pm 100$		$\approx 400$	n	4
(9)		$\approx 6000$		17, 18
$10.8222 \pm 5.5$	$0^+; 2$	$< 12$		21