

${}^7\text{Li}$ $Z = 3$ $N = 4$ adopted link ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 39.245 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2

7LI 1			0.000 1/2 3/2-		1 STABLE
7LI 2			0.478 1/2 1/2-		2 73 FS 2
S-alpha=	2.468 (0.000)	-----			
7LI 3			4.630 1/2 7/2-		3 93 KEV 8
7LI 4			6.680 1/2 5/2-		4 0.88 MEV +20-10
S-n =	7.251 (0.000)	-----			
7LI 5			7.459 1/2 5/2-		5 89 KEV 7
7LI 6			9.670 1/2 7/2-		6 400 KEV AP
7LI 7			9.850 1/2 3/2-		7 1200 KEV AP
S-p =	9.974 (0.000)	-----			
S-n =	7.251 (0.000)	-----			
S-2p =	32.563 (0.089)	-----			
S-2n =	12.914 (0.050)	-----			
S-alpha=	2.468 (0.000)	-----			
S+p =	-17.254 (0.000)				
S+n =	-2.033 (0.000)				
S+2p =	-17.069 (0.001)				
S+2n =	-6.095 (0.000)				
S+alpha =	-8.664 (0.000)				
gap p =	-7.280 (0.000)				
gap n =	5.218 (0.000)				
gap 2p =	15.495 (0.089)				
gap 2n =	6.820 (0.050)				
gap alpha =	-6.197 (0.000)				