

Table 7.11 from (2002TI10):
Mirror states in $A = 7$ nuclei ^a

⁷ Li		⁷ Be		ΔE_x (MeV) ^b
E_x (MeV)	J^π	E_x (MeV)	J^π	
0	$\frac{3}{2}^-$	0	$\frac{3}{2}^-$	—
0.478	$\frac{1}{2}^-$	0.429	$\frac{1}{2}^-$	-0.049
4.65	$\frac{7}{2}^-$	4.57	$\frac{7}{2}^-$	-0.08
6.60	$\frac{5}{2}^-$	6.73	$\frac{5}{2}^-$	+0.13
7.45	$\frac{5}{2}^-$	7.21	$\frac{5}{2}^-$	-0.24
8.75	$\frac{3}{2}^-$	9.9	$\frac{3}{2}^-$	+1.15 ^c
9.09	$\frac{1}{2}^-$			
9.57	$\frac{7}{2}^-$	9.27	$\frac{7}{2}^-$	-0.3

^a As taken from Tables 7.2 and 7.7.

^b Defined as $E_x(^7\text{Be}) - E_x(^7\text{Li})$.

^c This difference may be unphysical since the ⁷Li level parameters were obtained from the “extended R -matrix prescription” (see the Introduction in this publication). The equivalent information for ⁷Be levels is not available.