

Table 9.18 from (2004TI06):  
 Isospin quadruplet states ( $T = \frac{3}{2}$ ) in  $A = 9$  nuclei <sup>a</sup>

| <sup>9</sup> Li |                   | <sup>9</sup> Be |                   | <sup>9</sup> B |                 | <sup>9</sup> C |                 |
|-----------------|-------------------|-----------------|-------------------|----------------|-----------------|----------------|-----------------|
| $E_x$ (MeV)     | $J^\pi$           | $E_x$ (MeV)     | $J^\pi$           | $E_x$ (MeV)    | $J^\pi$         | $E_x$ (MeV)    | $J^\pi$         |
| 0               | $\frac{3}{2}^-$   | 14.392          | $\frac{3}{2}^-$   | 14.655         | $\frac{3}{2}^-$ | 0              | $\frac{3}{2}^-$ |
| 2.691           | $\frac{1}{2}^-$   | 16.975          | $\frac{1}{2}^-$   | 17.076         | $\frac{1}{2}^-$ | 2.218          | $\frac{1}{2}^-$ |
| 4.296           | $(\frac{5}{2}^-)$ | 18.65           | $(\frac{5}{2}^-)$ |                |                 |                |                 |
| 5.38            |                   |                 |                   |                |                 |                |                 |
| 6.43            |                   |                 |                   |                |                 |                |                 |

<sup>a</sup> As taken from [Tables 9.1, 9.2, 9.13 and 9.16](#).