Table 9.17 from (2004TI06):
Mirror states ($T = \frac{1}{2}$) in $A = 9$ nuclei $^a$

<table>
<thead>
<tr>
<th>$^9$Be $E_x$ (MeV)</th>
<th>$J^\pi$</th>
<th>$^9$B $E_x$ (MeV)</th>
<th>$J^\pi$</th>
<th>$\Delta E_x$ (MeV) $^b$</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>$\frac{3}{2}^-$</td>
<td>0</td>
<td>$\frac{3}{2}^-$</td>
<td></td>
</tr>
<tr>
<td>1.684</td>
<td>$\frac{1}{2}^+$</td>
<td>$\frac{1}{2}$</td>
<td>$\frac{1}{2}$</td>
<td></td>
</tr>
<tr>
<td>2.429</td>
<td>$\frac{5}{2}^-$</td>
<td>2.361</td>
<td>$\frac{5}{2}^-$</td>
<td>$-0.068$</td>
</tr>
<tr>
<td>2.78</td>
<td>$\frac{1}{2}^-$</td>
<td>2.75</td>
<td>$\frac{1}{2}^-$</td>
<td>$-0.03$</td>
</tr>
<tr>
<td>3.049</td>
<td>$\frac{5}{2}^+$</td>
<td>2.788</td>
<td>$\frac{5}{2}^+$</td>
<td>$-0.261$</td>
</tr>
<tr>
<td>4.704</td>
<td>($\frac{3}{2}^+$)</td>
<td>4.3</td>
<td>($\frac{3}{2}^+$)</td>
<td>$-0.4$</td>
</tr>
<tr>
<td>5.59</td>
<td>($\frac{3}{2}^-$)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.38 $^d$</td>
<td>$\frac{7}{2}^-$</td>
<td>6.97</td>
<td>$\frac{7}{2}^-$</td>
<td>$+0.59$</td>
</tr>
<tr>
<td>6.76</td>
<td>$\frac{9}{2}^+$</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.94</td>
<td>($\frac{5}{2}^-$)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.283</td>
<td>($\frac{7}{2}^-$)</td>
<td>11.65</td>
<td>($\frac{7}{2}^-$)</td>
<td>$+0.37$</td>
</tr>
<tr>
<td>11.81</td>
<td>$\frac{5}{2}^-$</td>
<td>12.19</td>
<td>$\frac{5}{2}^-$</td>
<td>$+0.25$</td>
</tr>
<tr>
<td>13.79 $^\pi = -$</td>
<td>14.01</td>
<td>$\pi = -$</td>
<td>16.02</td>
<td>$+0.05$</td>
</tr>
<tr>
<td>15.97</td>
<td></td>
<td>16.02</td>
<td></td>
<td>$+0.05$</td>
</tr>
<tr>
<td>16.671</td>
<td>($\frac{5}{2}^+$)</td>
<td>16.71</td>
<td>($\frac{5}{2}^+$)</td>
<td>$+0.04$</td>
</tr>
<tr>
<td>17.493</td>
<td>($\frac{7}{2}^+$)</td>
<td>17.54</td>
<td>($\frac{7}{2}^+$)</td>
<td>$+0.05$</td>
</tr>
</tbody>
</table>

$^a$ As taken from Tables 9.2 and 9.13.

$^b$ Defined as $E_x(^9$B$) - E_x(^9$Be$)$.

$^c$ See footnote b to Table 9.13.

$^d$ See footnote b to Table 9.2.