<table>
<thead>
<tr>
<th></th>
<th>Empirical model</th>
<th>Quark model, $B_J(5840)^{0,+}$ natural</th>
<th>Quark model, $B_J(5960)^{0,+}$ natural</th>
</tr>
</thead>
<tbody>
<tr>
<td>$m_{B_J(5840)^{0}}$</td>
<td>5862.9 ± 5.0 ± 6.7 ± 0.2</td>
<td>5889.7 ± 22.2 ± 6.7 ± 0.2</td>
<td>5907.8 ± 4.7 ± 6.7 ± 0.2</td>
</tr>
<tr>
<td>$\Gamma_{B_J(5840)^{0}}$</td>
<td>127.4 ± 16.7 ± 34.2</td>
<td>107.0 ± 19.6 ± 34.2</td>
<td>119.4 ± 17.2 ± 34.2</td>
</tr>
<tr>
<td>$m_{B_J(5960)^{0}}$</td>
<td>5969.2 ± 2.9 ± 5.1 ± 0.2</td>
<td>6015.9 ± 3.7 ± 5.1 ± 0.2 ± 0.4</td>
<td>5993.6 ± 6.4 ± 5.1 ± 0.2</td>
</tr>
<tr>
<td>$\Gamma_{B_J(5960)^{0}}$</td>
<td>82.3 ± 7.7 ± 9.4</td>
<td>81.6 ± 9.9 ± 9.4</td>
<td>55.9 ± 6.6 ± 9.4</td>
</tr>
<tr>
<td>$m_{B_J(5840)^{+}}$</td>
<td>5850.3 ± 12.7 ± 13.7 ± 0.2</td>
<td>5874.5 ± 25.7 ± 13.7 ± 0.2</td>
<td>5889.3 ± 15.0 ± 13.7 ± 0.2</td>
</tr>
<tr>
<td>$\Gamma_{B_J(5840)^{+}}$</td>
<td>224.4 ± 23.9 ± 79.8</td>
<td>214.6 ± 26.7 ± 79.8</td>
<td>229.3 ± 26.9 ± 79.8</td>
</tr>
<tr>
<td>$m_{B_J(5960)^{+}}$</td>
<td>5964.9 ± 4.1 ± 2.5 ± 0.2</td>
<td>6010.6 ± 4.0 ± 2.5 ± 0.2 ± 0.4</td>
<td>5966.4 ± 4.5 ± 2.5 ± 0.2</td>
</tr>
<tr>
<td>$\Gamma_{B_J(5960)^{+}}$</td>
<td>63.0 ± 14.5 ± 17.2</td>
<td>61.4 ± 14.5 ± 17.2</td>
<td>60.8 ± 14.0 ± 17.2</td>
</tr>
</tbody>
</table>