\[ \Sigma(1730) \ 3/2^+ \]

\[ I(J^P) = 1(3^+ \) \] Status: \* OMITTED FROM SUMMARY TABLE

\[ \Sigma(1730) \] MASS

<table>
<thead>
<tr>
<th>VALUE (MeV)</th>
<th>DOCUMENT ID</th>
<th>TECN</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1727 ± 27</td>
<td>ZHANG 13A</td>
<td>DPWA</td>
<td>Multichannel</td>
</tr>
</tbody>
</table>

\[ \Lambda(1730) \] WIDTH

<table>
<thead>
<tr>
<th>VALUE (MeV)</th>
<th>DOCUMENT ID</th>
<th>TECN</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>276 ± 87</td>
<td>ZHANG 13A</td>
<td>DPWA</td>
<td>Multichannel</td>
</tr>
</tbody>
</table>

\[ \Sigma(1730) \] DECAY MODES

<table>
<thead>
<tr>
<th>Mode</th>
<th>Fraction (( \Gamma_i / \Gamma ))</th>
</tr>
</thead>
<tbody>
<tr>
<td>( \Gamma_1 ) ( N \bar{K} )</td>
<td>(2.0 ± 1.0) %</td>
</tr>
<tr>
<td>( \Gamma_2 ) ( \Lambda \pi )</td>
<td>(70 ± 17 ) %</td>
</tr>
<tr>
<td>( \Gamma_3 ) ( \Sigma \pi )</td>
<td>(12 ± 6 ) %</td>
</tr>
</tbody>
</table>

\[ \Sigma(1730) \] BRANCHING RATIOS

\[ \Gamma(N \bar{K}) / \Gamma_{total} \quad \Gamma_1 / \Gamma \]

<table>
<thead>
<tr>
<th>VALUE</th>
<th>DOCUMENT ID</th>
<th>TECN</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.02 ± 0.01</td>
<td>ZHANG 13A</td>
<td>DPWA</td>
<td>Multichannel</td>
</tr>
</tbody>
</table>

\[ \Gamma(\Lambda \pi) / \Gamma_{total} \quad \Gamma_2 / \Gamma \]

<table>
<thead>
<tr>
<th>VALUE</th>
<th>DOCUMENT ID</th>
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<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.70 ± 0.17</td>
<td>ZHANG 13A</td>
<td>DPWA</td>
<td>Multichannel</td>
</tr>
</tbody>
</table>

\[ \Gamma(\Sigma \pi) / \Gamma_{total} \quad \Gamma_3 / \Gamma \]

<table>
<thead>
<tr>
<th>VALUE</th>
<th>DOCUMENT ID</th>
<th>TECN</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.12 ± 0.06</td>
<td>ZHANG 13A</td>
<td>DPWA</td>
<td>Multichannel</td>
</tr>
</tbody>
</table>

\[ \Sigma(1730) \] REFERENCES

ZHANG 13A PR C88 035205 H. Zhang et al. (KSU)