

| Source | Mass (MeV) | Width (MeV) | Fit fraction (%) | ΔM (MeV) |
|---|--------------|---------------|------------------|--------------------|
| Efficiency and background models | +10.46 | + 1.91 | -0.06 | +1.02 |
| Hadron radius | + 0.29 | + 2.33 | +0.05 | +0.92 |
| $X(4140)$ Flatté model | - 1.92 | - 5.85 | -0.39 | -1.68 |
| $J/\psi\phi$ NR representation | + 0.61 | - 3.47 | -0.31 | -0.18 |
| Simplified K-Matrix model | - 7.30 | -17.54 | -1.73 | -3.38 |
| RBW widths | + 1.90 | - 3.41 | -0.56 | +1.70 |
| Spin-parity of the $T_{\psi s1}(4220)$ state | -16.32 | -17.76 | -2.33 | -1.48 |
| Non- ϕ contribution | + 5.52 | + 7.98 | +0.92 | +5.49 |
| Additional 1^+ $J/\psi\phi$ NR | + 0.80 | - 3.66 | +0.18 | -1.28 |
| Additional 2^+ $J/\psi\phi$ NR | + 7.66 | + 2.57 | +2.52 | +0.92 |
| Extended model | - 6.36 | - 2.54 | -0.20 | -2.98 |
| Additional X state | - 5.58 | + 0.27 | +0.34 | -1.48 |
| Fit fraction constraint | + 0.07 | + 1.94 | -0.48 | -0.45 |
| Impact parameter χ^2 modelling | + 1.00 | - 2.49 | -0.22 | +0.72 |
| Finite simulation sample size | + 2.90 | +11.20 | +1.33 | +2.17 |
| Fixed mass and width of K^* states | - 0.58 | - 1.30 | -0.43 | -0.58 |
| Samples to construct the \mathcal{P}_{bkg} | + 1.06 | + 6.38 | +0.54 | +0.52 |
| - 1.38 | - 7.25 | -0.59 | -0.68 | |
| Background fraction uncertainty | + 0.37 | + 1.38 | +0.06 | +0.22 |
| - 0.45 | - 1.55 | -0.07 | -0.38 | |
| Final | + 8.46 | +17.09 | +3.00 | +6.04 |
| | -16.71 | -23.33 | -2.84 | -4.23 |