

| Source            | X(3842)                     |                          | $\chi_{c2}(3930)$           |                          | $\psi(3770)$                |
|-------------------|-----------------------------|--------------------------|-----------------------------|--------------------------|-----------------------------|
|                   | $\sigma_m$<br>[MeV/ $c^2$ ] | $\sigma_\Gamma$<br>[MeV] | $\sigma_m$<br>[MeV/ $c^2$ ] | $\sigma_\Gamma$<br>[MeV] | $\sigma_m$<br>[MeV/ $c^2$ ] |
| Signal model      | 0.02                        | 0.02                     | 0.01                        | 0.15                     | 0.62                        |
| Resolution        |                             | 0.31                     |                             | 0.20                     |                             |
| Background model  |                             | 0.13                     | 0.15                        | 0.81                     | 0.03                        |
| Momentum scale    | 0.07                        | —                        | 0.05                        | —                        |                             |
| $D$ -meson masses | 0.10                        | —                        | 0.10                        | —                        | 0.10                        |
| Sum in quadrature | 0.12                        | 0.35                     | 0.19                        | 0.85                     | 0.63                        |