

| Source                | $B^0 \rightarrow J/\psi K_S^0$ |            | $B^0 \rightarrow \psi(2S)K_S^0$ |            |
|-----------------------|--------------------------------|------------|---------------------------------|------------|
|                       | $\sigma_S$                     | $\sigma_C$ | $\sigma_S$                      | $\sigma_C$ |
| $\Delta\Gamma$        | 0.003                          | 0.007      | 0.007                           | 0.003      |
| $\Delta m$            | 0.004                          | 0.004      | 0.004                           | 0.004      |
| Production asymmetry  | 0.004                          | 0.009      | 0.007                           | 0.005      |
| Tagging calibration   | 0.002                          | 0.005      | 0.005                           | 0.002      |
| Decay-time bias       | 0.006                          | 0.006      | 0.006                           | 0.004      |
| $\sigma_t$ scaling    | 0.003                          | 0.005      | 0.002                           | 0.002      |
| Decay-time efficiency | 0.006                          | 0.004      | 0.006                           | 0.004      |
| Total                 | 0.011                          | 0.016      | 0.014                           | 0.010      |