

	$\phi_s$ [mrad]	$\Delta\Gamma_s$ [ps <sup>-1</sup> ]	$\Delta m_s$ [ $\hbar$ ps <sup>-1</sup> ]	$ \lambda $	$\Gamma_s$ [ps <sup>-1</sup> ]	$ A_0 ^2$	$ A_\perp ^2$	$ A_S ^2$	$\delta_\parallel$ [rad]	$\delta_\perp$ [rad]	$\delta_{S\perp}$ [rad]
Statistical uncertainty	50	0.014	0.10	0.026	0.0042	0.0047	0.0063	0.0077	0.12	0.16	0.083
Model bias	7.9	0.0019	—	0.0035	0.0005	0.0002	0.0012	0.001	0.020	0.016	0.006
Angular efficiency	3.8	0.0006	0.007	0.0057	0.0002	0.0008	0.0010	0.002	0.006	0.015	0.015
Proper decay length efficiency	0.3	0.0062	0.001	0.0002	0.0022	0.0014	0.0023	0.001	0.001	0.002	0.002
Proper decay length resolution	2.5	0.0008	0.015	0.0009	0.0005	0.0007	0.0009	0.007	0.006	0.025	0.022
Data/simulation difference	0.6	0.0008	0.004	0.0003	0.0003	0.0044	0.0029	0.007	0.007	0.007	0.028
Flavor tagging	0.1	$<10^{-4}$	0.001	0.0002	$<10^{-4}$	0.0003	$<10^{-4}$	$<10^{-3}$	0.001	0.003	0.001
Sig./bkg. $\omega_{\text{evt}}$ difference	3.0	—	—	—	0.0005	—	0.0008	—	—	—	0.006
Model assumptions	—	0.0008	—	0.0046	0.0003	—	0.0013	0.001	0.017	0.019	0.011
Peaking background	0.3	0.0008	0.011	$<10^{-4}$	0.0002	0.0005	0.0002	0.003	0.005	0.007	0.011
<i>S-P</i> wave interference	—	0.0010	0.019	—	0.0005	0.0005	—	0.013	—	0.019	0.019
Total systematic uncertainty	9.6	0.0067	0.028	0.0082	0.0024	0.0048	0.0044	0.016	0.028	0.045	0.047