

Source	$\Gamma_s$ [ps <sup>-1</sup> ]	$\Delta\Gamma_s$ [ps <sup>-1</sup> ]	$ A_\perp ^2$	$ A_0 ^2$	$\delta_\parallel$ [rad]	$\delta_\perp$ [rad]	$\phi_s$ [rad]	$ \lambda $	$\Delta m_s$ [ps <sup>-1</sup> ]
Total stat. uncertainty	0.0027	0.0091	0.0049	0.0034	+0.10 -0.17	+0.14 -0.15	0.049	0.019	+0.055 -0.057
Mass factorisation	–	0.0007	0.0031	0.0064	0.05	0.05	0.002	0.001	0.004
Signal weights (stat.)	0.0001	0.0001	–	0.0001	–	–	–	–	–
$b$ -hadron background	0.0001	0.0004	0.0004	0.0002	0.02	0.02	0.002	0.003	0.001
$B_c^+$ feed-down	0.0005	–	–	–	–	–	–	–	–
Angular resolution bias	–	–	0.0006	0.0001	+0.02 -0.03	0.01	–	–	–
Ang. efficiency (reweighting)	0.0001	–	0.0011	0.0020	0.01	–	0.001	0.005	0.002
Ang. efficiency (stat.)	0.0001	0.0002	0.0011	0.0004	0.02	0.01	0.004	0.002	0.001
Decay-time resolution	–	–	–	–	–	0.01	0.002	0.001	0.005
Trigger efficiency (stat.)	0.0011	0.0009	–	–	–	–	–	–	–
Track reconstruction (simul.)	0.0007	0.0029	0.0005	0.0006	+0.01 -0.02	0.002	0.001	0.001	0.006
Track reconstruction (stat.)	0.0005	0.0002	–	–	–	–	–	–	0.001
Length and momentum scales	0.0002	–	–	–	–	–	–	–	0.005
S-P coupling factors	–	–	–	–	0.01	0.01	–	0.001	0.002
Fit bias	–	–	0.0005	–	–	0.01	–	0.001	–
Quadratic sum of syst.	0.0015	0.0032	0.0036	0.0067	+0.06 -0.07	0.06	0.006	0.007	0.011