

	Systematic uncertainty	$\delta_{S1K^*}$	$\delta_{S2K^*}$	$\delta_{S3K^*}$	$\delta_{S1(K\pi)}$	$\delta_{S2(K\pi)}$	$\delta_{S3(K\pi)}$	$f_{\rho K^*}^0$	$f_{\rho K^*}^{\parallel}$	$f_{\rho K^*}^{\perp}$	$f_{\omega K^*}^0$	$f_{\omega K^*}^{\parallel}$
$CP$ averages	Centrifugal barrier factors	0.01	–	0.01	0.01	0.001	0.02	0.001	0.001	0.002	–	–
	Hypatia parameters	–	–	–	–	0.001	0.01	0.001	0.001	0.001	–	–
	$B_s^0 \rightarrow K^{*0} \bar{K}^{*0}$ bkg.	0.05	–	0.01	0.02	0.002	0.01	0.005	0.003	0.005	0.02	0.02
	Simulation sample size	0.02	0.01	0.02	0.02	0.009	0.03	0.004	0.004	0.004	0.06	0.05
	Data-Simulation corrections	–	–	–	–	0.001	–	–	–	–	0.01	–
$CP$ asym.	Centrifugal barrier factors	0.01	0.001	0.001	0.004	0.003	0.02	–	0.001	0.002	0.01	0.01
	Hypatia parameters	–	0.002	0.002	0.004	0.001	0.01	–	0.003	0.002	0.01	0.01
	$B_s^0 \rightarrow K^{*0} \bar{K}^{*0}$ bkg.	0.04	0.005	0.011	0.023	0.002	0.01	0.03	0.007	0.011	0.03	0.06
	Simulation sample size	0.03	0.022	0.022	0.025	0.012	0.03	0.02	0.010	0.009	0.12	0.14
	Data-Simulation corrections	–	0.001	–	0.003	–	–	–	0.001	0.001	–	0.01
Common ( $B^0, \bar{B}^0$ )	Mass propagators parameters	0.19	0.031	0.070	0.200	0.018	0.06	0.011	0.005	0.006	0.01	0.01
	Masses and angles resolution	0.02	0.027	0.017	0.026	0.026	0.05	0.010	0.016	0.018	0.14	0.12
	Fit method	–	0.004	0.001	0.002	0.001	–	0.003	0.001	0.002	0.01	0.05
	$a_1(1260)$ pollution	0.09	0.040	0.040	0.040	0.050	0.04	0.015	0.040	0.031	0.02	0.01
	Symmetrised ( $\pi\pi$ ) PDF	0.03	0.029	0.022	0.035	0.006	0.05	0.004	–	0.004	0.04	0.05
	Systematic uncertainty	$f_{\omega K^*}^{\perp}$	$\delta_{\rho K^*}^{\parallel-\perp}$	$\delta_{\rho K^*}^{\parallel-0}$	$\delta_{\rho K^*}^{\perp-0}$	$\delta_{\omega K^*}^{\parallel-\perp}$	$\delta_{\omega K^*}^{\parallel-0}$	$\delta_{\omega K^*}^{\perp-0}$	$\mathcal{A}_T^{\rho K^*,1}$	$\mathcal{A}_T^{\rho K^*,2}$	$\mathcal{A}_T^{\omega K^*,1}$	$\mathcal{A}_T^{\omega K^*,2}$
$CP$ averages	Centrifugal barrier factors	–	0.001	–	–	–	–	–	0.0002	–	0.001	0.001
	Hypatia parameters	–	0.001	–	–	–	–	–	0.0002	–	0.001	0.001
	$B_s^0 \rightarrow K^{*0} \bar{K}^{*0}$ bkg.	0.01	0.018	0.02	0.02	0.1	–	0.1	0.0017	0.002	0.004	0.002
	Simulation sample size	0.03	0.009	0.02	0.02	0.2	0.2	0.2	0.0013	0.002	0.012	0.012
	Data-Simulation corrections	–	0.001	–	–	–	–	–	–	–	–	–
$CP$ asym.	Centrifugal barrier factors	–	0.004	0.007	0.004	0.03	0.02	0.04	0.0003	0.001	0.001	0.001
	Hypatia parameters	0.1	0.001	0.002	0.002	0.02	0.01	0.02	0.0001	–	0.001	0.001
	$B_s^0 \rightarrow K^{*0} \bar{K}^{*0}$ bkg.	0.2	0.024	0.020	0.026	0.06	0.04	0.13	0.0017	0.004	0.005	0.003
	Simulation sample size	0.1	0.011	0.027	0.023	0.14	0.17	0.20	0.0013	0.002	0.015	0.017
	Data-Simulation corrections	–	–	0.002	0.002	0.02	0.01	0.01	–	–	0.001	–
Common ( $B^0, \bar{B}^0$ )	Mass propagators parameters	–	0.004	0.028	0.024	0.07	0.06	0.09	0.0006	0.001	0.002	–
	Masses and angles resolution	0.08	0.031	0.029	0.040	0.60	0.40	0.60	0.0020	0.005	0.026	0.019
	Fit method	0.03	0.003	0.005	0.004	0.02	0.02	0.03	0.0001	–	0.005	0.001
	$a_1(1260)$ pollution	0.01	0.024	0.035	0.032	0.24	0.32	0.40	0.0040	0.004	0.012	0.001
	Symmetrised ( $\pi\pi$ ) PDF	0.03	0.005	0.001	0.001	0.35	0.02	0.29	0.0007	0.001	0.018	0.003