

	$A_S^{CP}$	$m_{F_S}^{\text{bin0}} K^- \pi^+ \delta_S$	$m_{F_S}^{\text{bin1}} K^- \pi^+ \delta_S$	$m_{F_S}^{\text{bin2}} K^- \pi^+ \delta_S$	$m_{F_S}^{\text{bin3}} K^- \pi^+ \delta_S$				
Fitted value	0.167	0.475	0.54	0.080	-0.53	0.044	-1.46	0.523	-1.76
Statistical uncertainties	0.114	$^{+0.108}_{-0.112}$	0.16	$^{+0.031}_{-0.025}$	$^{+0.25}_{-0.21}$	$^{+0.042}_{-0.029}$	$^{+0.22}_{-0.19}$	$^{+0.109}_{-0.112}$	$^{+0.13}_{-0.14}$
Angular acceptance (simulation statistics)	0.028	0.039	0.03	0.012	0.065	0.015	0.10	0.065	0.06
Angular acceptance (data-simulation differences)	0.015	0.058	0.08	0.019	0.18	0.027	0.27	0.006	0.04
$C_{SP}$ factors	—	0.002	0.01	0.001	—	0.002	—	0.001	0.01
D-wave contribution	0.008	0.010	0.02	0.005	0.03	0.008	0.08	0.002	0.04
Background angular model	0.001	0.002	0.01	$^{+0.000}_{-0.001}$	0.01	—	0.03	$^{+0.002}_{-0.000}$	$^{+0.07}_{-0.04}$
Mass parameters and $B^0$ contamination	0.001	0.001	0.01	—	—	—	—	—	—
Mass- $\cos(\theta_\mu)$ correlations	$^{+0.023}_{-0.029}$	$^{+0.040}_{-0.028}$	0.05	0.003	0.04	$^{+0.006}_{-0.016}$	0.02	$^{+0.009}_{-0.011}$	0.03
Fit bias	0.004	0.005	0.01	0.003	0.02	0.007	0.032	0.015	0.01
Detection asymmetry	0.005	—	—	—	—	—	—	—	—
Production asymmetry	—	—	—	—	—	—	—	—	—
Quadratic sum of systematic uncertainties	$^{+0.041}_{-0.044}$	$^{+0.081}_{-0.076}$	0.10	0.023	0.20	$^{+0.033}_{-0.036}$	0.30	0.068	$^{+0.11}_{-0.09}$
Total uncertainties	$^{+0.120}_{-0.122}$	0.135	0.19	$^{+0.039}_{-0.034}$	$^{+0.32}_{-0.29}$	$^{+0.054}_{-0.047}$	$^{+0.37}_{-0.35}$	$^{+0.128}_{-0.131}$	0.17