

Systematic uncertainty	$F_L(10^{-3})$	$A_{\text{FB}}(10^{-3})$	$d\mathcal{B}/dq^2$ (%)
Simulation mismodeling	1–17	0–37	1.0–5.5
Fit bias	0–34	2–42	—
MC statistical uncertainty	3–10	5–18	0.5–2.0
Efficiency	34	5	—
$K\pi$ mistagging	1–4	0–7	0.1–4.1
Background distribution	1–9	0–6	0.0–1.2
Mass distribution	3	1	3.2
Feed-through background	0–27	0–5	0.0–4.0
Angular resolution	6–24	0–5	0.2–2.1
Normalization to $B^0 \rightarrow K^{*0}J/\psi$	—	—	4.6
Total systematic uncertainty	36–54	10–68	6.4–8.6