

Source of uncertainty	Uncertainty [%]	
	χ_c -to-J/ ψ ratio	χ_{c2} -to- χ_{c1} ratio
χ_c fit shape	0.03–4	1–4
J/ ψ fit shape	signal	0.3–2
	background	0.05–0.3
Conversion selection	12	23
Conversion selection - tag and probe	5	5
PYTHIA settings	6–12	0.1–0.5
Nonprompt contamination	5	8
Total systematic uncertainty	13–17	16–17