

Sources		Systematic uncertainty (%)			
		8 TeV 2012	2016	13 TeV 2017	2018
Mass fit	Signal lineshape	0.6		2.3	
	Fraction of two F_{DSCB}	0.0–3.6		0.0–5.6	
	$\sigma_2^{\psi(2S)} / \sigma_1^{\psi(2S)}$	0.0–2.7		0.0–6.8	
	$\sigma_1^{\chi_{c1}(3872)} / \sigma_1^{\psi(2S)}$	0.2–3.6		0.2–5.1	
	$\sigma_2^{\chi_{c1}(3872)} / \sigma_2^{\psi(2S)}$	0.2–5.6		0.2–6.2	
	Background lineshape	0.0–1.5		0.0–3.7	
t_z fit	t_z resolution function	0.0–1.4	0.0–3.0	0.0–1.6	0.0–1.0
	Fixed mean of t_z resolution	0.0–0.4	0.0–1.0	0.0–0.8	0.0–0.6
	Wrong PV	0.0–2.8	0.0–4.1	0.0–3.6	0.0–1.8
	Background shape	2.4		2.4	
	Fixed pseudo-lifetime	0.1–10.9	1.0–12.1	1.3–8.0	1.3–7.8
Tracking	0.1–0.7	0.1–0.2	0.1–1.4	0.1–1.0	
Muon identification	0.0–6.1	0.0–1.8	0.0–1.8	0.0–1.5	
Pion identification	0.1–6.7	0.0–0.4	0.0–0.9	0.0–0.3	
Trigger thresholds	–	0.0–15.1	0.3–6.4	0.3–7.3	
Simulation weighting	4.5–9.3	3.6–7.4	3.2–8.9	3.2–6.1	
Global event requirements	0.5		1.9		
$M_{\pi^+\pi^-}$ spectrum	2.0		2.0		
Trigger efficiency	1.0		1.0		
Total systematic uncertainty		6.7–14.8	7.1–17.9	6.0–15.3	6.0–13.1
Total statistical uncertainty: prompt		7–17	5–19	6–31	5–13
Total statistical uncertainty: nonprompt		13–26	11–23	10–32	9–19