

Systematic source	Type	Affected proc.	channel			
			τ_μ 2018	τ_h 2018	τ_h 2017	τ_h 2016
Form factor	shape	$B_c^+ \rightarrow J/\psi \ell \nu_\ell$	✓	✓	✓	✓
Tauola modeling	shape	$B_c^+ \rightarrow J/\psi \tau^+ \nu_\tau$		✓	✓	✓
B_c^+ decay lifetime	shape	All B_c^+ procs.	✓	✓	✓	✓
$H_b \rightarrow J/\psi X$ shape	shape	DD bkg.		✓	✓	✓
Pileup weight	shape	All MC	✓	✓	✓	✓
Missing B_c^+ bkg.	shape	other B_c^+		✓	✓	✓
Bin-by-bin uncertainties	shape	All	✓	✓	✓	✓
Triplet reco. eff.	norm.	$B_c^+ \rightarrow J/\psi \tau^+ \nu_\tau$		6.9% (✓)	6.9% (✓)	6.9% (✓)
$B_c^+ \rightarrow J/\psi D_s^{(*)+}$ normalisation	norm.	$B_c^+ \rightarrow J/\psi D_s^{(*)+}$	38% (✓)	38% (✓)	38% (✓)	38% (✓)
Other minor B_c^+ normalisation	norm.	other B_c^+		50% (✓)	50% (✓)	50% (✓)
Trigger ($\mu^+ \mu^-$)	norm.	All MC	10% (✓)	10% (✓) \oplus 5%	10%	10%
Trigger (track)	norm.	All MC		10%	10%	10%
Trigger (J/ψ)	norm.	All MC		10%	10%	10%
Muon ID	norm.	All MC	4%	4%	4%	4%
Muon Reco	norm.	All MC	4% (✓)	4% (✓)	4%	4%
Bkg. norm.	norm.	DD bkg.		30%	30%	30%
B_c^+ MC norm.	norm.	All B_c^+		5%	30%	30%
Displaced track reco eff.	norm.	All B_c^+		5% (✓)	5% (✓)	5% (✓)