

	$f_c/(f_u + f_d)$		a_{prod}	
	7 TeV	13 TeV	7 TeV	13 TeV
<i>Local uncertainties</i>				
Signal shape	0.12–9.56	0.14–2.80	0.04–1.80	0.01–0.78
Background shape	0.34–6.16	0.02–5.80	0.06–3.05	0.05–2.45
Feed-down channels	0.12–5.00	0.43–2.27	0.01–1.11	0.03–0.65
Decay models	0.00–2.00	0.01–3.84	0.02–0.28	0.02–0.61
Muon ID in $J/\psi \mu^-$	0.06–5.79	0.03–2.92	0.02–0.37	0.01–0.18
Trigger for J/ψ	0.00–0.23	0.00–0.34	0.05–2.34	0.07–4.24
Simulation decay model	0.00–2.00	0.01–3.84	0.02–0.28	0.02–0.61
Hadron ID in $DX\mu^-\bar{\nu}$	0.04–1.81	0.01–2.01	–	–
Muon trigger & ID in $DX\mu^-\bar{\nu}$	0.02–1.34	0.00–0.21	–	–
Simulation sample size	1.5–11.5	2.1–10.7	0.5–1.1	0.5–1.2
k -factor	0.02–0.95	0.05–0.70	0.01–0.10	0.00–0.10
Tracking asymmetry	–	–	0.00–0.28	0.00–0.09
<i>Global uncertainties</i>				
$\mathcal{B}(J/\psi \rightarrow \mu^+\mu^-)$	0.55	0.55	–	–
$\mathcal{B}(D^+ \rightarrow K^-\pi^+\pi^+)$ or $\mathcal{B}(D^0 \rightarrow K^-\pi^+)$	1.0	1.0	–	–
$\mathcal{B}(B \rightarrow H_c X \mu^-\bar{\nu})$	1.8	1.8	–	–
Cross-feed contribution	0.2	0.2	–	–
Multiplicity cut	1.2	2.7	–	–
Tracking efficiency	1.8	1.8	–	–
<i>Uncertainty sum</i>				
	4.3–21.3	5.1–17.4	1.0–3.5	1.0–4.8
$\mathcal{B}(B_c^- \rightarrow J/\psi \mu^-\bar{\nu})$	23.6	23.6	–	–
<i>Overall uncertainty</i>	24.0–31.8	24.1–29.3	1.0–3.5	1.0–4.8