

Relative systematic uncertainty (%)

Source	$t\bar{t}$ +jets	$t\bar{t}b\bar{b}$ ($t\bar{t}b$)
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Experimental uncertainties

Trigger efficiency	1.3	0.1
Lepton selection	2.2	0.1
Jet energy scale	6.8	11
Jet energy resolution	0.3	2.5
Background estimate	2.1	5.6
b tagging	0.5	12
Kinematic reconstruction	0.3	—
Pileup	0.3	1.7

Model uncertainties

Fact./renorm. scale	2.7	8.0
Jet-parton matching scale	1.3	3.0
Hadronization	4.5	5.2
Top quark mass	1.4	2.0
PDF choice	0.3	0.9
Underlying event	1.0	2.9
Colour reconnection	1.3	1.9