

	2D		1D	hybrid	
	δm_t^{2D}	δJSF^{2D}	δm_t^{1D}	δm_t^{hyb}	$\delta \text{JSF}^{\text{hyb}}$
	[GeV]	[%]	[GeV]	[GeV]	[%]
<i>Experimental uncertainties</i>					
Method calibration	0.06	0.2	0.06	0.06	0.2
JEC (quad. sum)	0.18	0.3	0.73	0.15	0.2
– Intercalibration	−0.04	−0.1	+0.12	−0.04	−0.1
– MPFInSitu	−0.03	0.0	+0.22	+0.08	+0.1
– Uncorrelated	−0.17	−0.3	+0.69	+0.12	+0.2
Jet energy resolution	−0.09	+0.2	+0.09	−0.04	+0.1
b tagging	0.02	0.0	0.01	0.02	0.0
Pileup	−0.06	+0.1	0.00	−0.04	+0.1
Background	0.10	0.1	0.03	0.07	0.1
Trigger	+0.04	−0.1	−0.04	+0.02	−0.1
<i>Modeling uncertainties</i>					
JEC flavor (linear sum)	−0.35	+0.1	−0.31	−0.34	0.0
– light quarks (uds)	+0.10	−0.1	−0.01	+0.07	−0.1
– charm	+0.03	0.0	−0.01	+0.02	0.0
– bottom	−0.29	0.0	−0.29	−0.29	0.0
– gluon	−0.19	+0.2	+0.03	−0.13	+0.2
b jet modeling (quad. sum)	0.09	0.0	0.09	0.09	0.0
– b frag. Bowler–Lund	−0.07	0.0	−0.07	−0.07	0.0
– b frag. Peterson	−0.05	0.0	−0.04	−0.05	0.0
– semileptonic b hadron decays	−0.03	0.0	−0.03	−0.03	0.0
PDF	0.01	0.0	0.01	0.01	0.0
Ren. and fact. scales	0.05	0.0	0.04	0.04	0.0
ME/PS matching	$+0.32 \pm 0.20$	−0.3	$−0.05 \pm 0.14$	$+0.24 \pm 0.18$	−0.2
ISR PS scale	$+0.17 \pm 0.17$	−0.2	$+0.13 \pm 0.12$	$+0.12 \pm 0.14$	−0.1
FSR PS scale	$+0.22 \pm 0.12$	−0.2	$+0.11 \pm 0.08$	$+0.18 \pm 0.11$	−0.1
Top quark p_T	+0.03	0.0	+0.02	+0.03	0.0
Underlying event	$+0.16 \pm 0.19$	−0.3	$−0.07 \pm 0.14$	$+0.10 \pm 0.17$	−0.2
Early resonance decays	$+0.02 \pm 0.28$	+0.4	$+0.38 \pm 0.19$	$+0.13 \pm 0.24$	+0.3
CR modeling (max. shift)	$+0.41 \pm 0.29$	−0.4	$−0.43 \pm 0.20$	$−0.36 \pm 0.25$	−0.3
– “gluon move” (ERD on)	$+0.41 \pm 0.29$	−0.4	$+0.10 \pm 0.20$	$+0.32 \pm 0.25$	−0.3
– “QCD inspired” (ERD on)	$−0.32 \pm 0.29$	−0.1	$−0.43 \pm 0.20$	$−0.36 \pm 0.25$	−0.1
Total systematic	0.81	0.9	1.03	0.70	0.7
Statistical (expected)	0.21	0.2	0.16	0.20	0.1
Total (expected)	0.83	0.9	1.04	0.72	0.7