

	2D approach		1D approach	Hybrid	
	$\delta m_t^{2D}$ [GeV]	$\delta \text{JSF}^{2D}$ [%]	$\delta m_t^{1D}$ [GeV]	$\delta m_t^{\text{hyb}}$ [GeV]	$\delta \text{JSF}^{\text{hyb}}$ [%]
<i>Experimental uncertainties</i>					
Method calibration	0.05	<0.1	0.05	0.05	<0.1
JEC (quad. sum)	0.13	0.2	0.83	0.18	0.3
– InterCalibration	(−0.02)	(<0.1)	(+0.16)	(+0.04)	(<0.1)
– MPFInSitu	(−0.01)	(<0.1)	(+0.23)	(+0.07)	(<0.1)
– Uncorrelated	(−0.13)	(+0.2)	(+0.78)	(+0.16)	(+0.3)
Jet energy resolution	−0.08	+0.1	+0.04	−0.04	+0.1
b tagging	+0.03	<0.1	+0.01	+0.03	<0.1
Pileup	−0.08	+0.1	+0.02	−0.05	+0.1
Non- $t\bar{t}$ background	+0.04	−0.1	−0.02	+0.02	−0.1
<i>Modeling uncertainties</i>					
JEC Flavor (linear sum)	0.42	0.1	0.31	0.39	<0.1
– light quarks (uds)	(+0.10)	(−0.1)	(−0.01)	(+0.06)	(−0.1)
– charm	(+0.02)	(<0.1)	(−0.01)	(+0.01)	(<0.1)
– bottom	(−0.32)	(<0.1)	(−0.31)	(−0.32)	(<0.1)
– gluon	(−0.22)	(+0.3)	(+0.02)	(−0.15)	(+0.2)
b jet modeling (quad. sum)	0.13	0.1	0.09	0.12	<0.1
– b frag. Bowler–Lund	(−0.07)	(+0.1)	(−0.01)	(−0.05)	(<0.1)
– b frag. Peterson	(+0.04)	(<0.1)	(+0.05)	(+0.04)	(<0.1)
– semileptonic B decays	(+0.11)	(<0.1)	(+0.08)	(+0.10)	(<0.1)
PDF	0.02	<0.1	0.02	0.02	<0.1
Ren. and fact. scales	0.02	0.1	0.02	0.01	<0.1
ME/PS matching	−0.08	+0.1	+0.03	−0.05	+0.1
ME generator	+0.19 ± 0.14	+0.1	+0.29 ± 0.08	+0.22 ± 0.11	+0.1
ISR PS scale	+0.07 ± 0.09	+0.1	+0.10 ± 0.05	+0.06 ± 0.07	<0.1
FSR PS scale	+0.24 ± 0.06	−0.4	−0.22 ± 0.04	+0.13 ± 0.05	−0.3
Top quark $p_T$	+0.02	−0.1	−0.06	−0.01	−0.1
Underlying event	−0.10 ± 0.08	+0.1	+0.01 ± 0.05	−0.07 ± 0.07	+0.1
Early resonance decays	−0.22 ± 0.09	+0.8	+0.42 ± 0.05	−0.03 ± 0.07	+0.5
Color reconnection	+0.34 ± 0.09	−0.1	+0.23 ± 0.06	+0.31 ± 0.08	−0.1
<b>Total systematic</b>	<b>0.72</b>	<b>1.0</b>	<b>1.09</b>	<b>0.62</b>	<b>0.8</b>
Statistical (expected)	0.09	0.1	0.06	0.08	0.1
<b>Total (expected)</b>	<b>0.72</b>	<b>1.0</b>	<b>1.09</b>	<b>0.62</b>	<b>0.8</b>