

Source	Shape	$H^\pm$	Misid. b	$t\bar{t}$	Single t, $t\bar{t}+X$	Electroweak
Trigger efficiency		5.0	0.09	0.69	0.04	0.01
Pileup	✓	<0.01	—	<0.01	<0.01	<0.01
Integrated luminosity		2.5	0.09	0.35	0.02	<0.01
Lepton efficiency		0.32	—	0.04	<0.01	<0.01
Jet energy scale and resolution	✓	8.5	0.24	1.6	0.09	0.33
bjet identification	✓	5.0	—	0.64	0.04	0.01
$t^{\text{res}}$ tagging	✓	8.9	0.24	1.8	0.04	<0.01
Transfer factors	✓	—	4.0	—	—	—
Top quark mass		—	0.09	0.39	0.02	—
Theory source						
Scales, PDF (acceptance)		5.1	—	0.39	0.02	0.01
Scales, PDF (cross section)		—	0.12	0.76	0.04	0.01