

	Signal H^+H^-	Signal H^+W^-	Signal H^+	Multi- jets	EW+t \bar{t} with τ_h	EW+t \bar{t} no τ_h
τ part of trigger; data	1.5–1.8	1.3–1.5	1.8–3.0	–0.5	1.2	1.4
τ part of trigger; simulation	0.7–0.8	0.6–0.7	0.8–1.1	–0.2		0.8
E_T^{miss} part of trigger; data	2.6–3.3	2.5–2.8	2.9–4.2	–1.2	2.5	2.8
E_T^{miss} part of trigger; simulation	0.1	0.1	0.1	–0.1		0.4
Approximation in E_T^{miss} part of trigger					12	
Single μ trigger; data					–0.1	
Veto of events with e	0.1–0.2	0.2–0.3	0.2–0.3	<–0.1		0.4
Veto of events with μ	0.1	0.1–0.2	0.1	<–0.1		0.5
τ_h identification (S)	6.0	6.0	5.9–6.0	–0.8	6.0	
e misidentification as τ_h (S)	<0.1	<0.1	<0.1	–0.1		3.3
μ misidentification as τ_h (S)	<0.1	<0.1	<0.1	<–0.1		1.1
Jet misidentification as τ_h (S)	0.1	0.1–0.3	0.1	–6.9		17
τ_h energy scale (S)	0.3–2.6	2.7–5.2	0.3–2.7	–1.8	5.8	2.0
Jet energy scale	2.6–5.2	2.0–3.0	1.6–2.1	–1.4		3.2
Jet energy resolution	1.1–1.8	0.5–1.3	0.7–1.5	–0.2		3.2
Unclustered E_T^{miss} energy scale	0.1–0.4	0.1–0.9	0.1–0.4	–0.5		1.5
b-jet tagging (S)	5.9–20	4.7–5.3	4.6–5.4	–3.5		5.0
Top quark p_T modelling (S)				+5.6 –6.8		+11 –6.6
Pileup modelling	0.1–0.9	0.1–0.8	0.1–0.6	–0.1		2.9
μ identification; data					<–0.1	
Multijet contamination					2.0	
$W \rightarrow \tau\nu_\tau \rightarrow \mu\nu_\mu\nu_\tau$ fraction					1.2	
Non-emb. vs. emb. difference (S)					+14 –12	
Multijet m_T distribution shape (S)				4.6		
Multijet template fit				3.0		
Probabilistic m_T in single top quark						6.8
t \bar{t} cross section, scale	+2.5 –3.4	+2.5 –3.4		+1.0 –0.7		+2.2 –2.9
t \bar{t} cross section, PDF+ α_S	4.6	4.6		–1.6		4.0
Single top quark cross section						1.0
W+jets, Z/ γ^* , VV cross section						0.1
Integrated luminosity	2.6	2.6	2.6	–0.8		2.6