

Source		W+jets	$t\bar{t}$	Single top	Signal
Integrated luminosity	rate	2.7%	2.7 %	2.7 %	2.7 %
Jet energy scale	shape	5%	6%	5%	3%
Jet energy resolution	shape	2%	1%	1%	2%
b tagging efficiency	shape	3%	5%	5%	5%
Multiple interactions	shape	1%	1%	1%	1%
Lepton efficiency	rate	2%	2%	2%	2%
Trigger efficiency	rate	2%	2%	2%	2%
Cross section	rate	9.2%	5.6%	14.7%	—
Top quark p_T reweighting	shape	—	28%	—	—
W+jets H_T reweighting	shape	5.3%	—	—	—
Renormalization/factorization scales	shape	14%	16%	16%	—
PDF	shape	5.5%	2.3%	8.5%	6.7%
Forward jet reweighting	rate	15%	15%	15%	15%