

Source	Uncertainty	Prior	Contribution to:		Applies to samples:
			Cut-based	NN	
Diboson cross section	50%			✓	VV only
Rare top process cross sections	50%			✓	t̄V , t̄t̄t̄
Higgs cross section	50%			✓	H only
W+jets cross section	15%		✓	✓	W+jets only
Z+jets cross section	15%			✓	Z+jets only
Luminosity measurement	2.5%		✓	✓	All
Pileup reweighting	±1 σ		✓	✓	All simulation
Jet energy scale	±1 $\sigma(p_T, \eta)$		✓	✓	All simulation
Jet energy resolution	±1 $\sigma(\eta)$		✓	✓	All simulation
Parton distribution functions	±1 σ		✓	✓	t̄, VLQ
Q ² scale	±1 σ		✓	✓	t̄, VLQ
CSVv2 discriminant reshaping	δ(wgt., unwgt.)			✓	All simulation
BEST classification rates	±1 $\sigma(p_T)$			✓	Data-driven multijet
BEST classification SF	5%			✓	All simulation
BEST misclassification SF	5%			✓	All simulation
Trigger	2%		✓		All simulation
W tag scale factor	±1 σ		✓		All simulation
Softdrop jet mass scale	±1 σ		✓		All simulation
Softdrop jet mass resolution	±1 σ		✓		All simulation
b tag scale factor	±1 σ		✓		All simulation
Extrapolation fit	±1 σ		✓		Data-driven background
Normalization of 1W background prediction	±1.7%		✓		Data-driven background
Normalization of 2W background prediction	±8.6%		✓		Data-driven background