

Uncertainty source	B or S	Effect on	Magnitude	Number of NPs & correlations
Normalization QCD multijet	B	Rate	20%	10, uncorr. across SRs
Normalization Top	B	Rate	50%	10, uncorr. across SRs
Normalization Other	B	Rate	30%	10, uncorr. across SRs
QCD multijet B shape due to $m_{90}$ usage	B	Shape	$\pm 1\sigma$ templates	10, uncorr. across SRs
QCD multijet B shape due to other processes	B	Shape	$\pm 1\sigma$ templates	10, uncorr. across SRs
PU reweighting & integrated luminosity	S	Rate	1.7%	1, correlated across all SRs
PDFs	S	Rate	$< 10\%$	1, correlated across all SRs *
$\mu_R$ and $\mu_F$ scales	S	Rate	$< 0.8\%$	1, correlated across all SRs *
PNet <sub>W</sub> selection efficiency per jet (event)	S	Shape	6% (12%)	1, correlated across all SRs
JES	S	Shape	$\pm 1\sigma$ templates	1, correlated across all SRs *
JER	S	Shape	$\pm 1\sigma$ templates	1, correlated across all SRs *