

Source	Shape	Rate	Notes
Luminosity		2.6%	Signal and all backgrounds
Lepton ID/Trigger	✓	1 %	Signal and all backgrounds
Photon ID	✓	1.5 %	Signal and all backgrounds
Pileup	✓	2 %	Signal and all backgrounds
JES	✓	5 %	Signal and all backgrounds
b tagging	✓	2.5 %	Signal and all backgrounds
QCD Scale		0.5 – 25 %	All backgrounds
PDF		2.5 – 10 %	All backgrounds
Control Region Discrepancy	✓	10 – 20 %	Observed data discrepancy in CR1
SR1/CR1 Ratio	✓	1 – 8 %	Shape difference between SR1 and CR1
SR2/SR1 Ratio	✓	10 – 50 %	Shape difference between SR2 and SR1 – only for SR2
SUSY Cross Sections		16 – 28 %	Signal only