

Systematic source	Uncertainty [%]		
	$M_J$ [GeV]		
	500–800	800–1100	>1100
MC event count	3.6	2.8	2.4
Combination of renormalization and factorization scales	0.3	0.2	0.8
Renormalization scale	0.4	<0.1	<0.1
Factorization scale	0.3	0.2	0.8
Electron efficiency	0.4	0.4	0.4
Muon efficiency	<0.1	<0.1	<0.1
Jet energy resolution	0.7	0.5	0.5
Jet energy scale	0.5	1.0	3.6
Across-year correlated b tagging scale factor for light-flavor jet	2.6	2.6	2.4
Across-year uncorrelated b tagging scale factor for light-flavor jet	1.1	1.2	1.1
Across-year correlated b tagging scale factor for heavy-flavor jet	9.7	10.0	10.6
Across-year uncorrelated b tagging scale factor for heavy-flavor jet	8.0	8.3	9.2
Pileup	0.8	0.8	1.0
Initial-state radiation	1.0	1.0	1.0
Trigger efficiency	1.0	1.0	1.0
Gluon splitting	0.4	0.7	1.2
Total	13.6	13.9	15.3