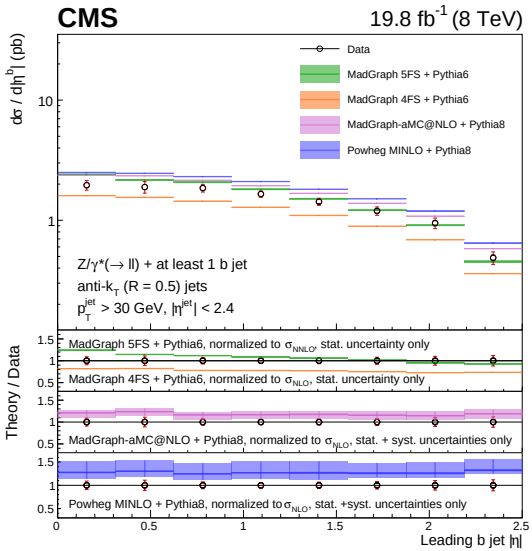
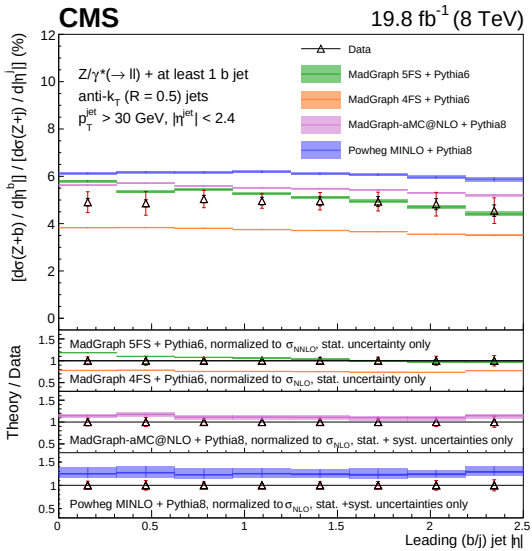

CMS
19.8 fb^{-1} (8 TeV)
$d\sigma / d|\eta^b|$ (pb)
Data
MadGraph 5FS + Pythia6
MadGraph 4FS + Pythia6
MadGraph-aMC@NLO + Pythia8
Powheg MINLO + Pythia8
Z/γ*(→ ll) + at least 1 b jet
anti-k$_T$ (R = 0.5) jets
p_T^{jet} > 30 GeV, $|\eta^{jet}|$ < 2.4
Theory / Data
MadGraph 5FS + Pythia6, normalized to σ_{NNLO}, stat. uncertainty only
MadGraph 4FS + Pythia6, normalized to σ_{NLO}, stat. uncertainty only
MadGraph-aMC@NLO + Pythia8, normalized to σ_{NLO}, stat. + syst. uncertainties only
Powheg MINLO + Pythia8, normalized to σ_{NLO}, stat. +syst. uncertainties only
Leading b jet $|\eta|$


CMS
19.8 fb^{-1} (8 TeV)
$[d\sigma(Z+b) / d|\eta^b|] / [d\sigma(Z+j) / d|\eta^j|]$ (%)
Data
MadGraph 5FS + Pythia6
MadGraph 4FS + Pythia6
MadGraph-aMC@NLO + Pythia8
Powheg MINLO + Pythia8
Z/γ*(→ ll) + at least 1 b jet
anti-k$_T$ (R = 0.5) jets
p_T^{jet} > 30 GeV, $|\eta^{jet}|$ < 2.4
Theory / Data
MadGraph 5FS + Pythia6, normalized to σ_{NNLO}, stat. uncertainty only
MadGraph 4FS + Pythia6, normalized to σ_{NLO}, stat. uncertainty only
MadGraph-aMC@NLO + Pythia8, normalized to σ_{NLO}, stat. + syst. uncertainties only
Powheg MINLO + Pythia8, normalized to σ_{NLO}, stat. +syst. uncertainties only
Leading (b/j) jet $|\eta|$