Recent Work

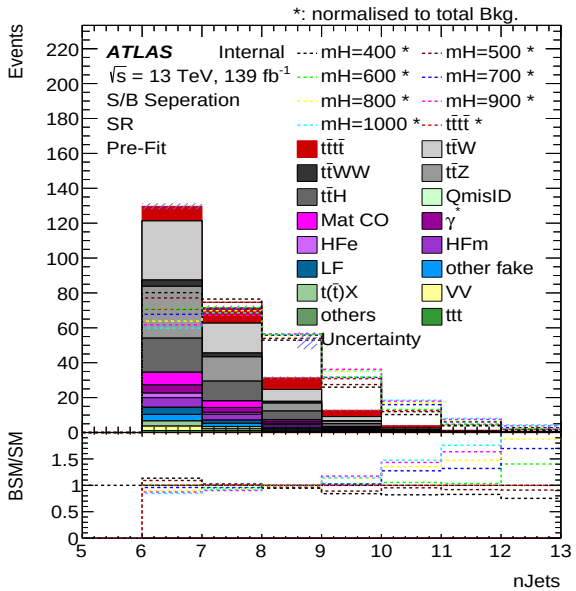
Meng-Ju Tsai

May 6, 2020

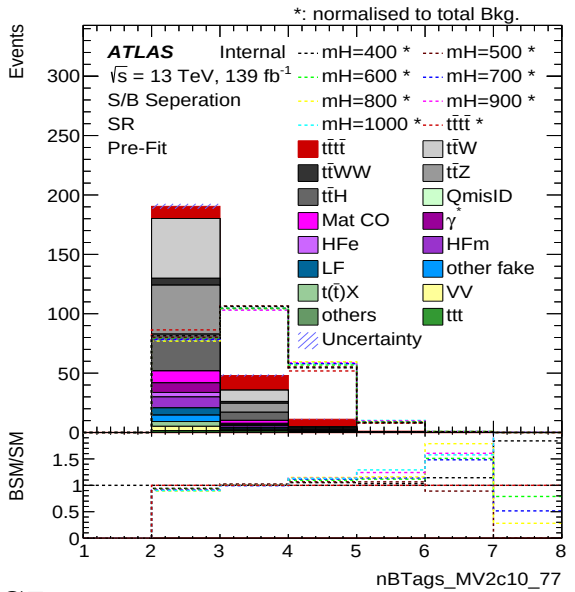
Signal/Background comparsion

Jet multiplicities

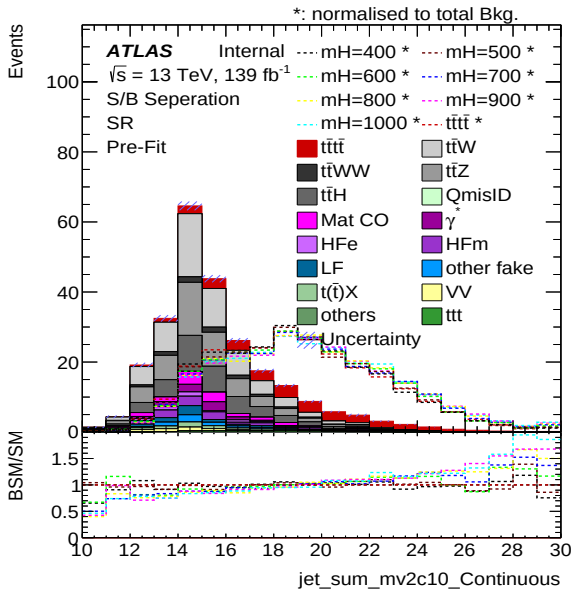
SR-nJets



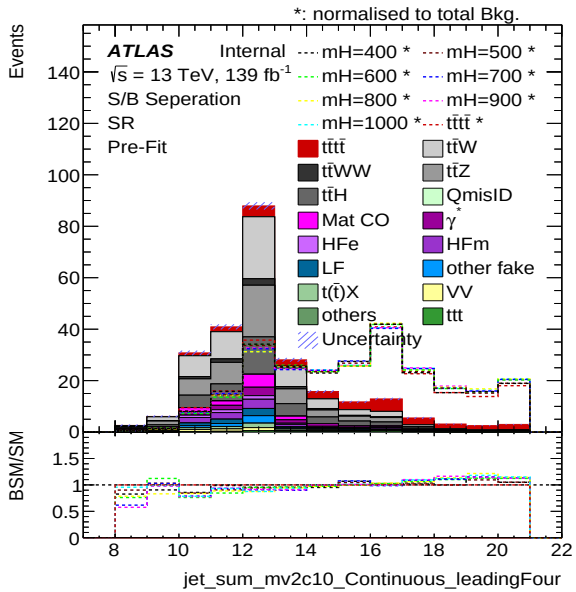
SR-nBTags-MV2c10-77



SR-jet-sum-mv2c10-Continuous

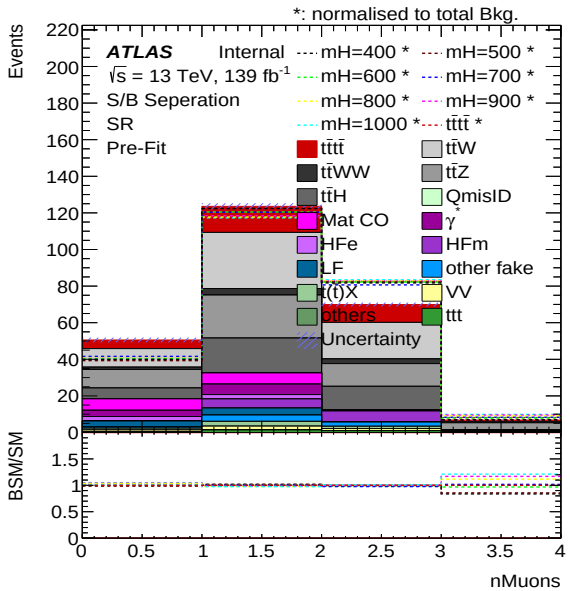


SR-jet-sum-mv2c10-Continuous-leadingFour

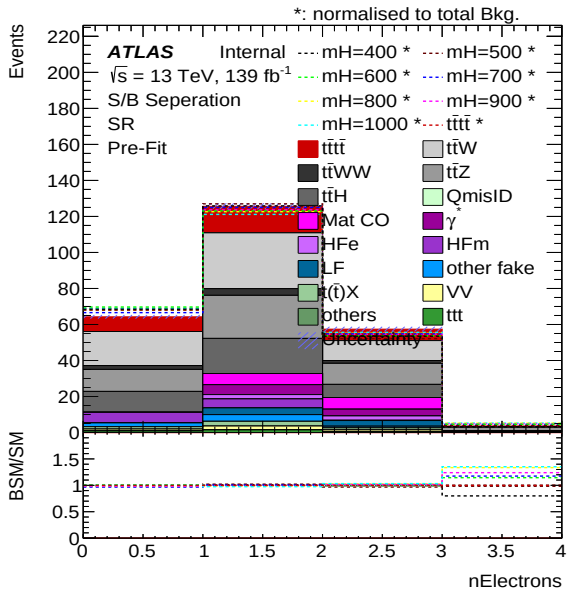


Lep multiplicities and MET

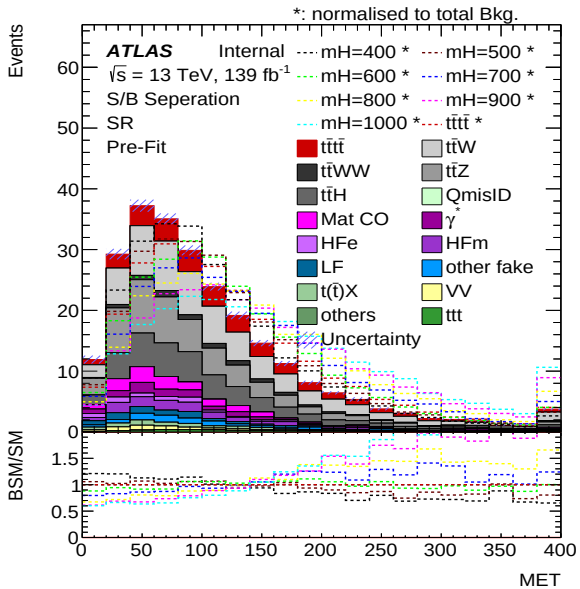
SR-nMuons



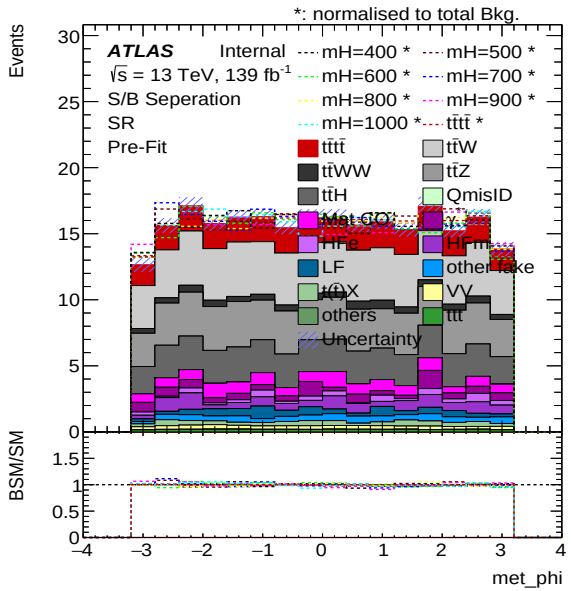
SR-nElectrons



SR-met-met

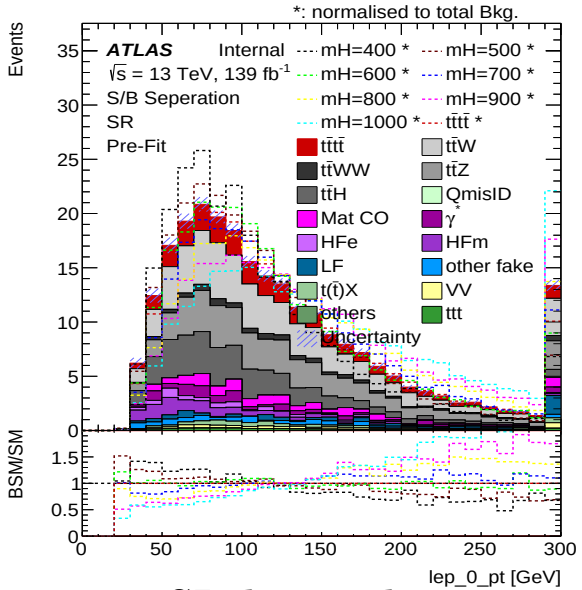


SR-met-phi

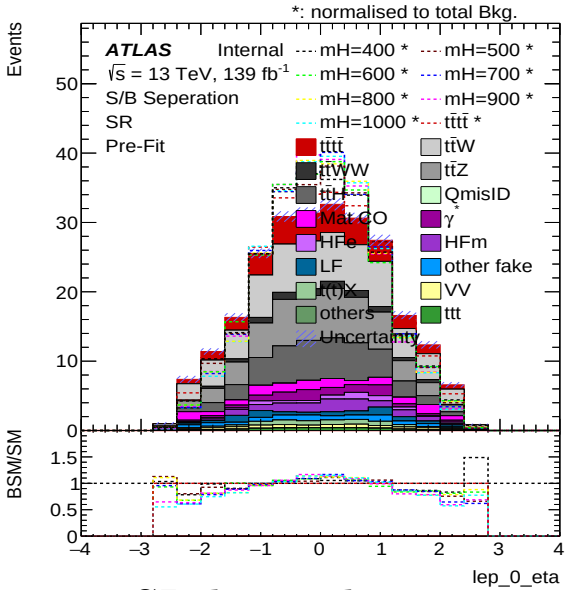


Lepton0 kinematics

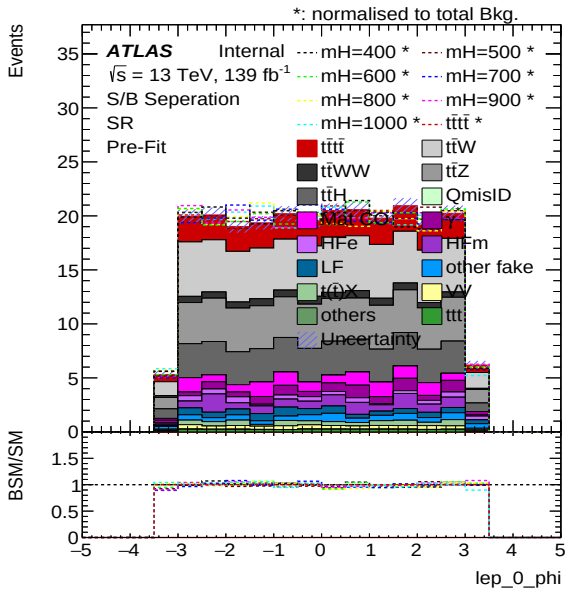
SR-lep-0-pt



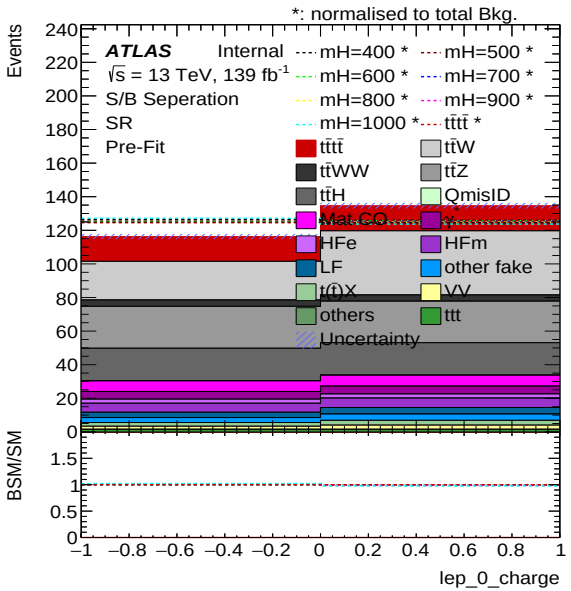
SR-lep-0-eta



SR-lep-0-phi

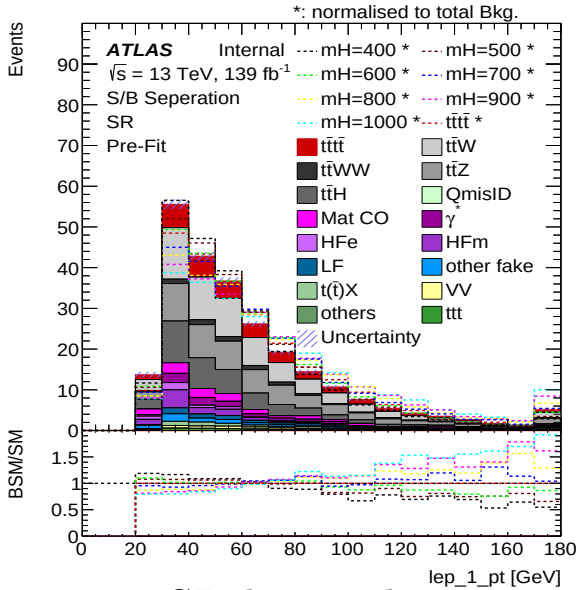


SR-lep-0-charge

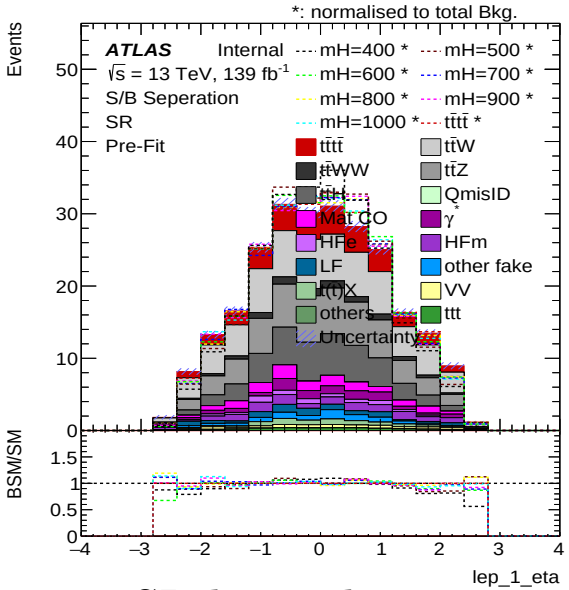


Lepton1 kinematics

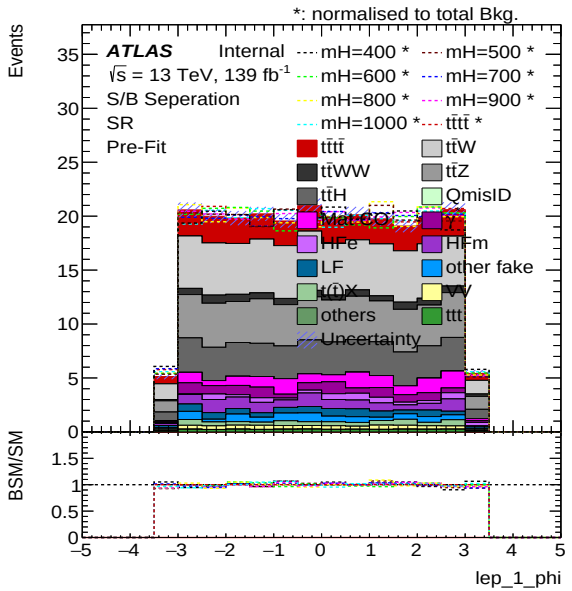
SR-lep-1-pt



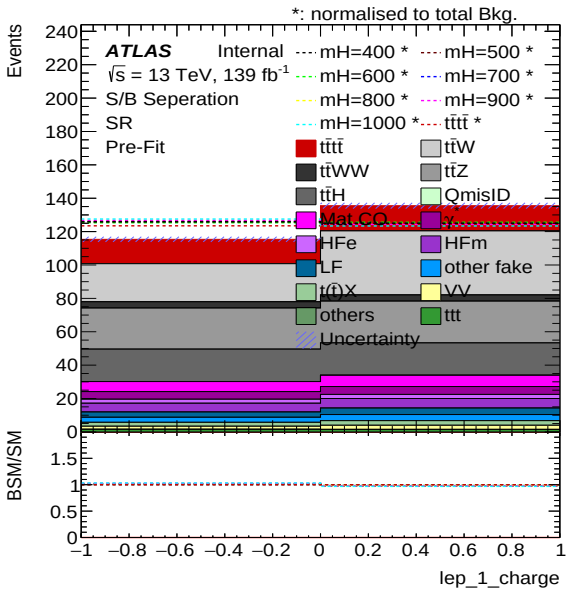
SR-lep-1-eta



SR-lep-1-phi

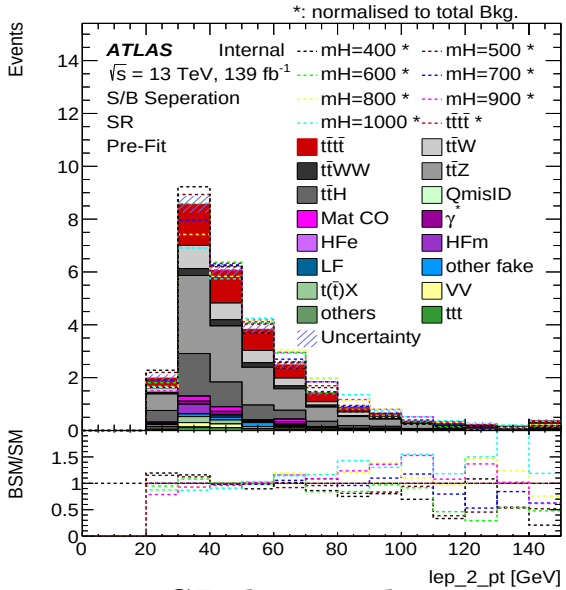


SR-lep-1-charge

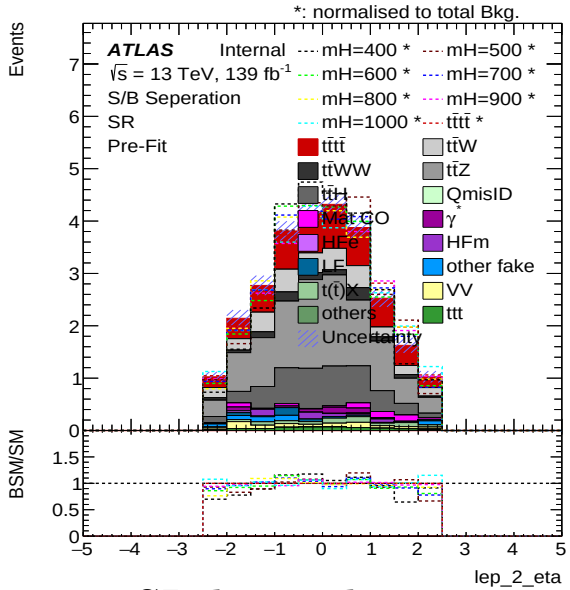


Lepton2 kinematics

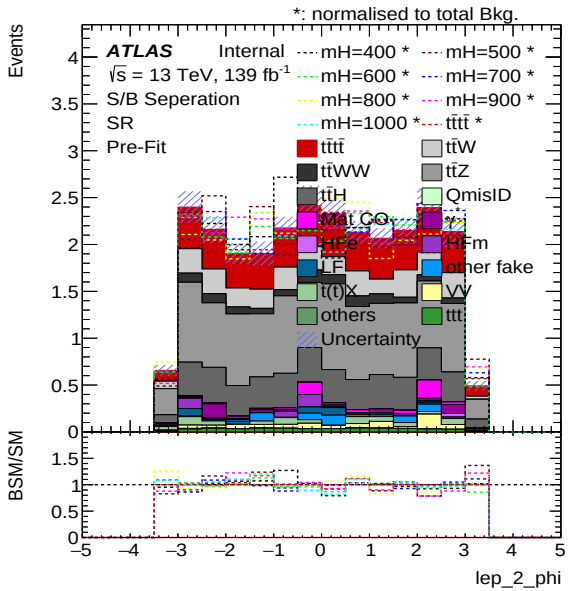
SR-lep-2-pt



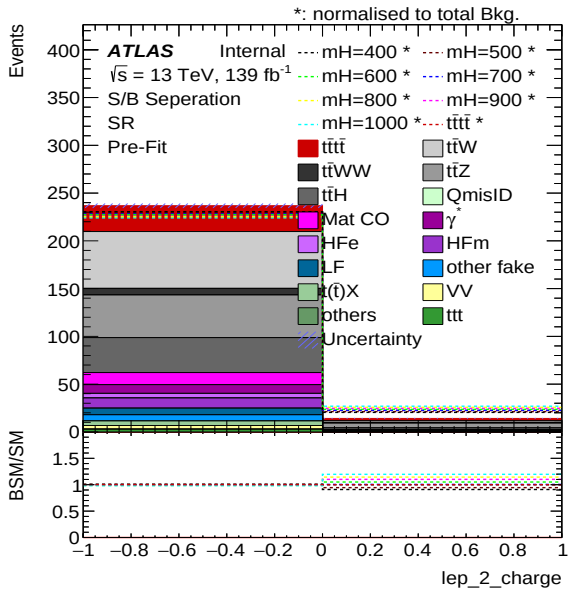
SR-lep-2-eta



SR-lep-2-phi

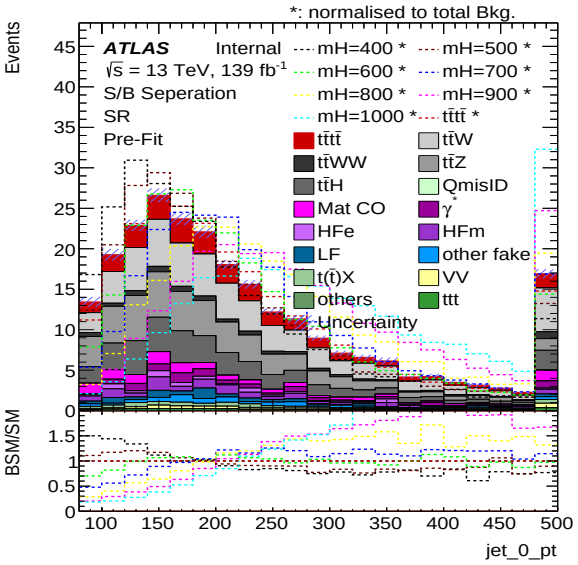


SR-lep-2-charge

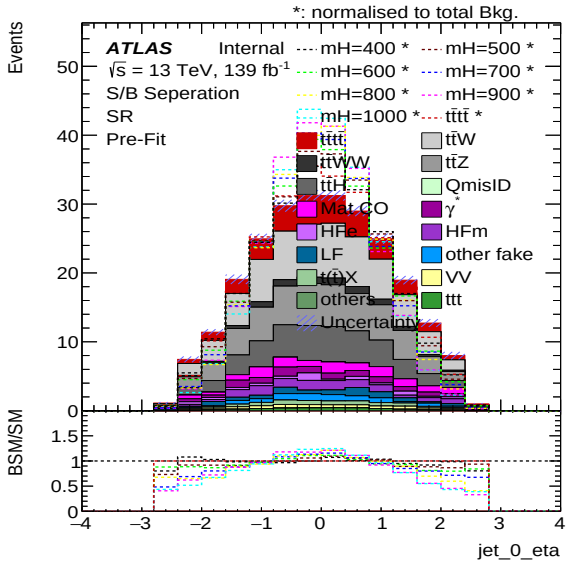


Jet kinematics

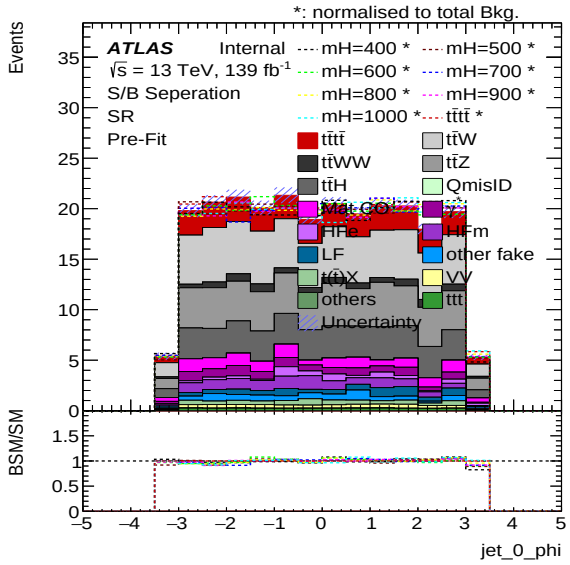
SR-jet-0-pt



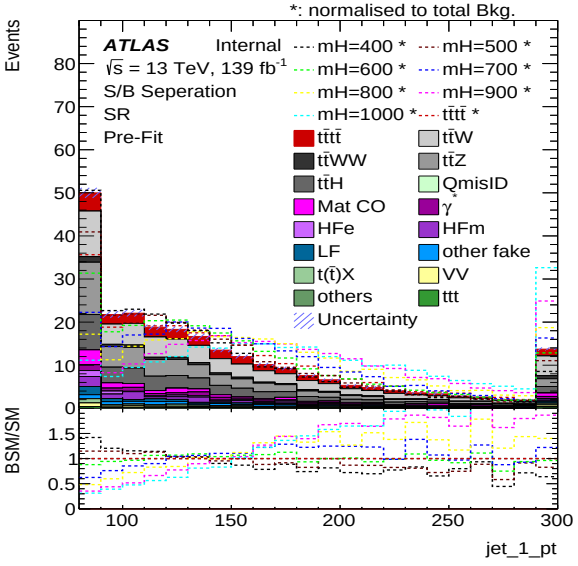
SR-jet-0-eta



SR-jet-0-phi



SR-jet-1-pt



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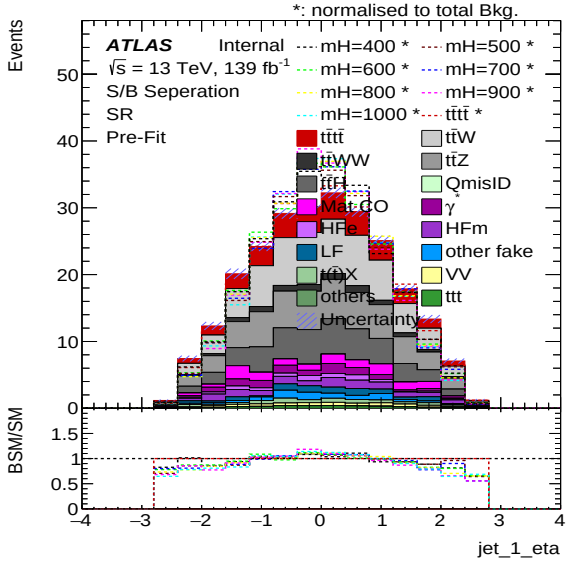

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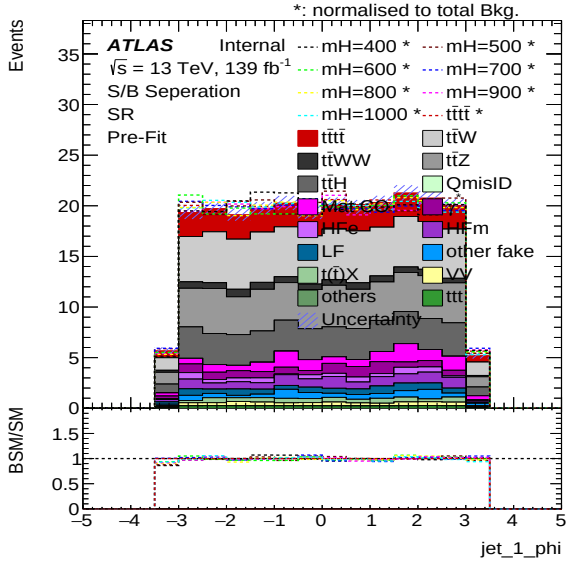
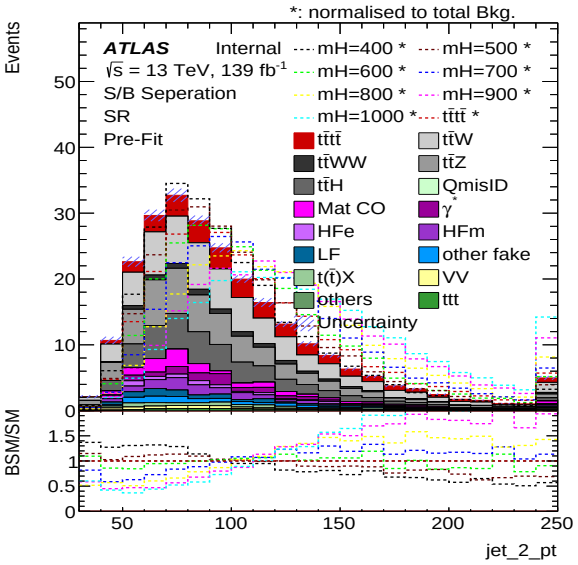
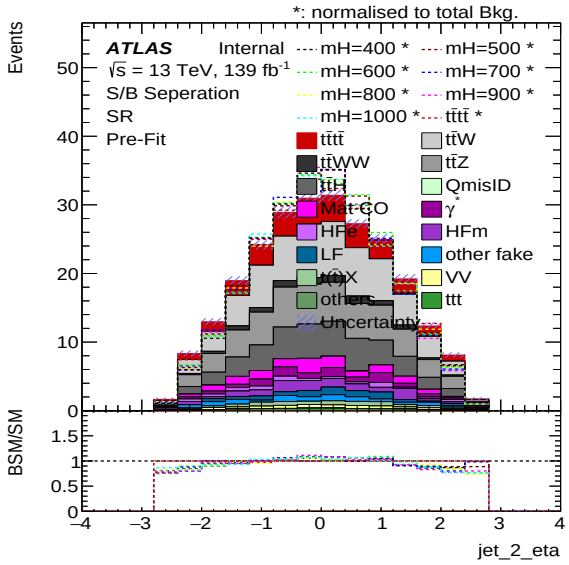


Jet kinematics

SR-jet-2-pt



SR-jet-2-eta



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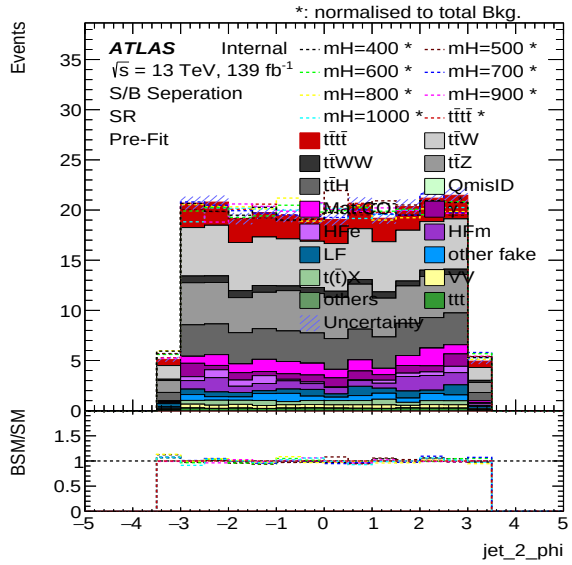
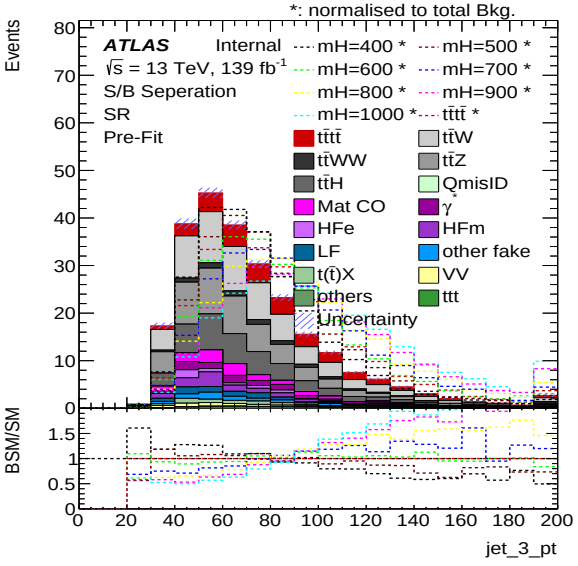
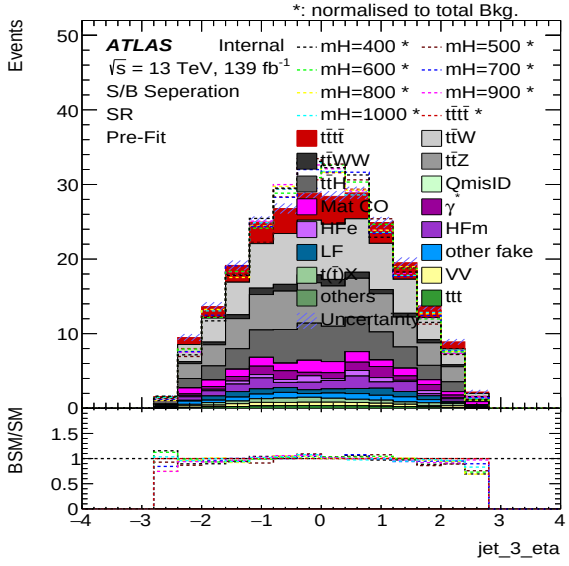


SR-jet-3-pt



SR-jet-3-eta



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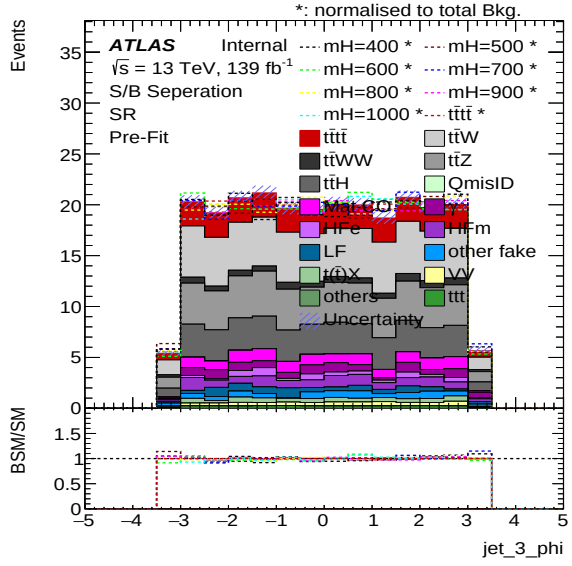
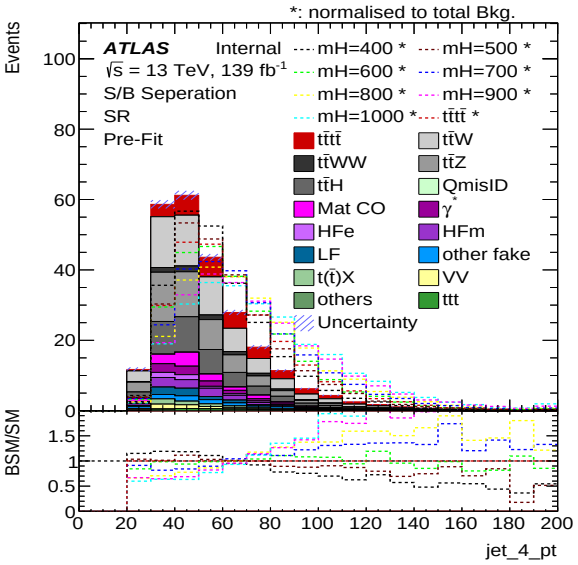
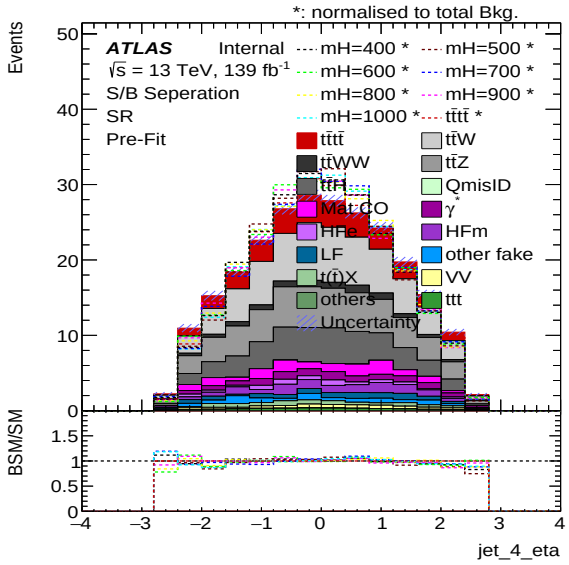


Jet kinematics

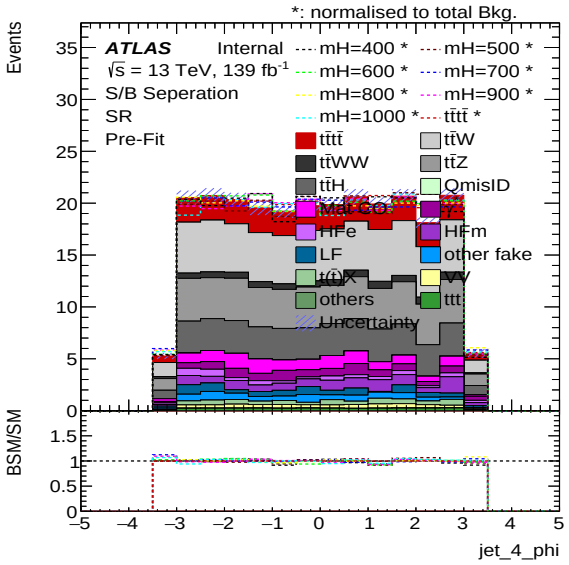
SR-jet-4-pt



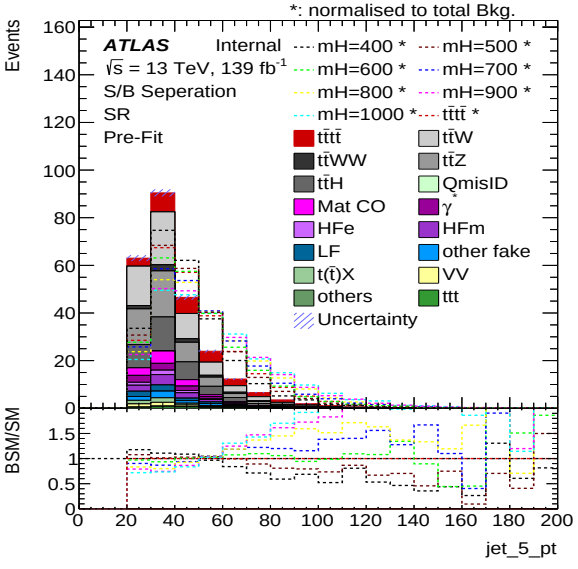
SR-jet-4-eta



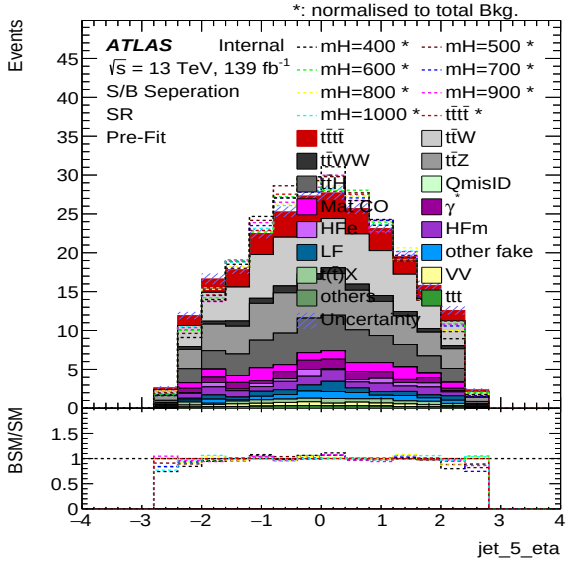
SR-jet-4-phi



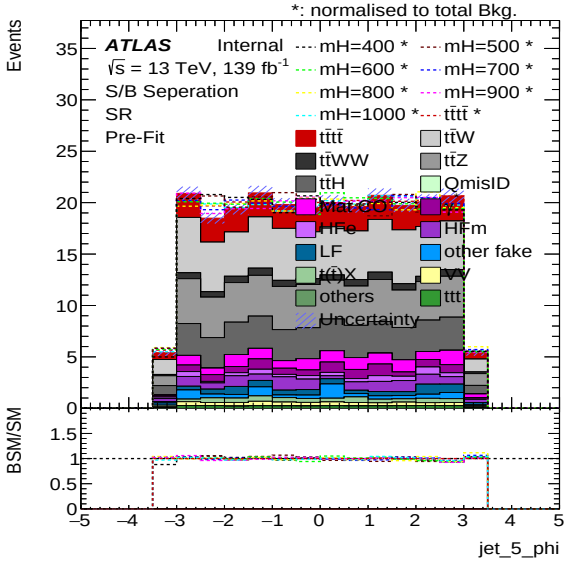
SR-jet-5-pt



SR-jet-5-eta

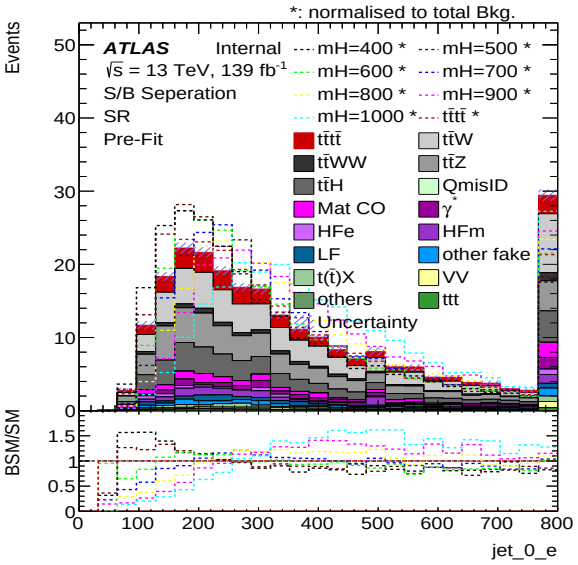


SR-jet-5-phi

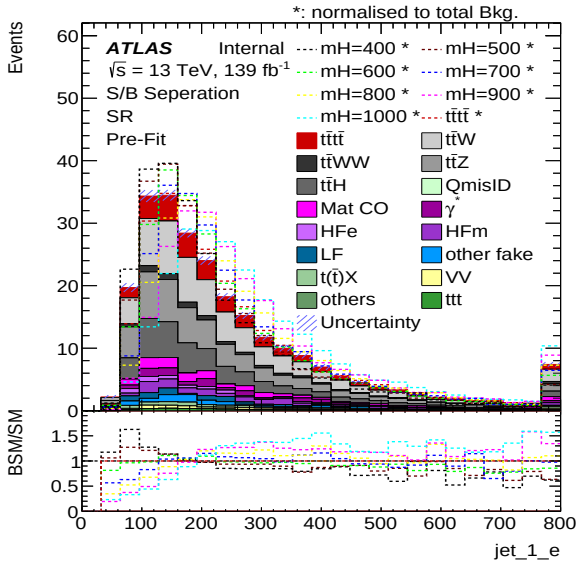


Energy of Jets

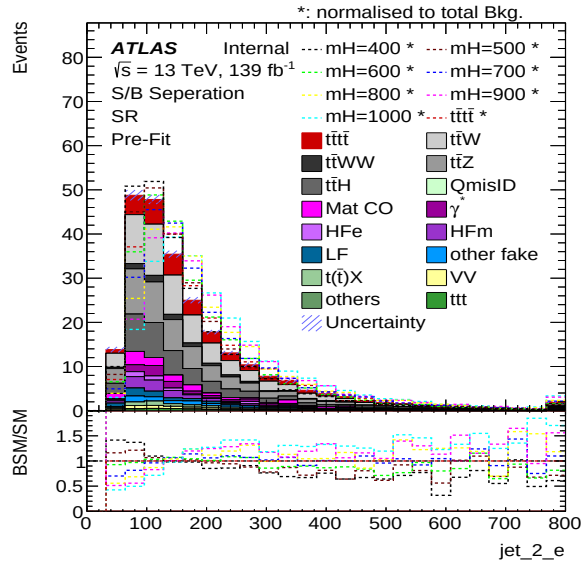
SR-jet-0-e



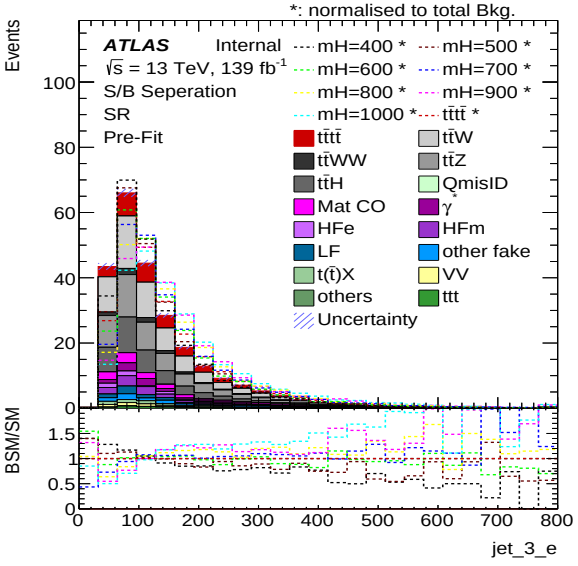
SR-jet-1-e



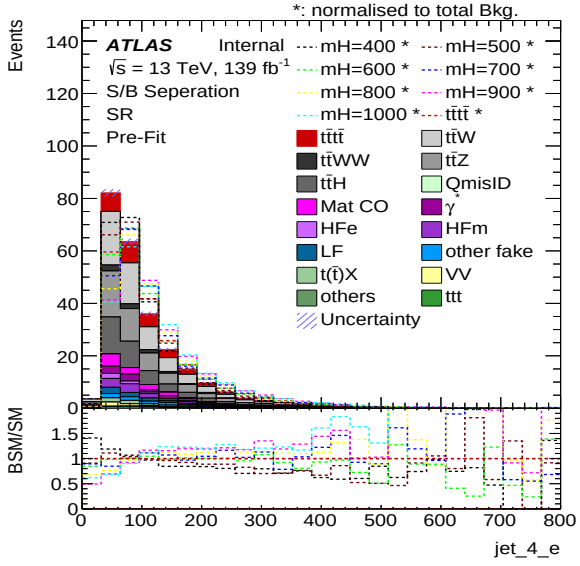
SR-jet-2-e



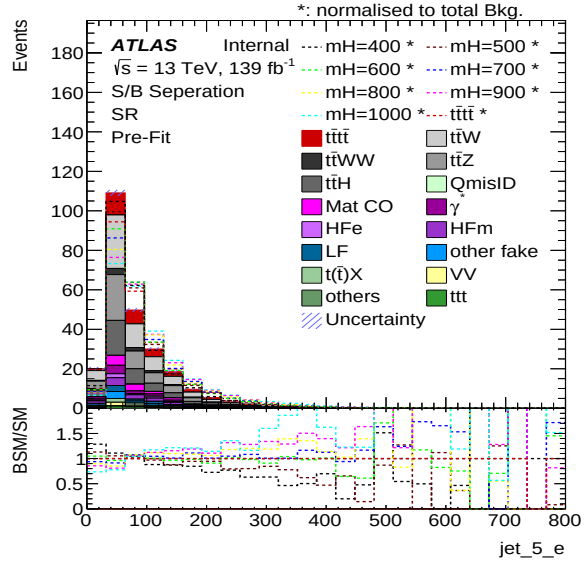
SR-jet-3-e



SR-jet-4-e

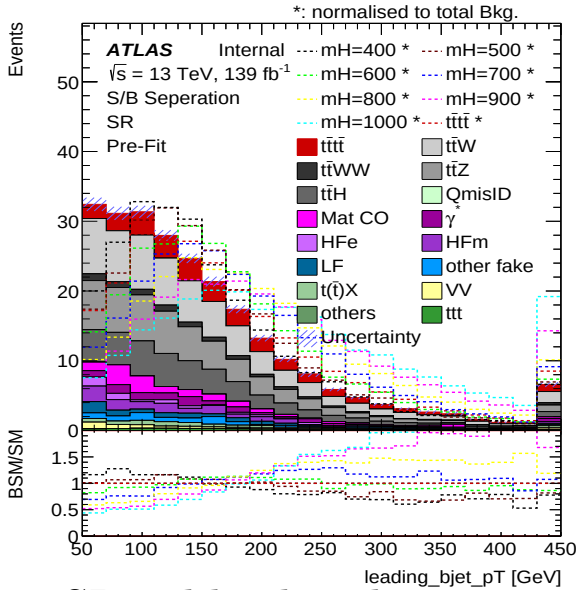


SR-jet-5-e

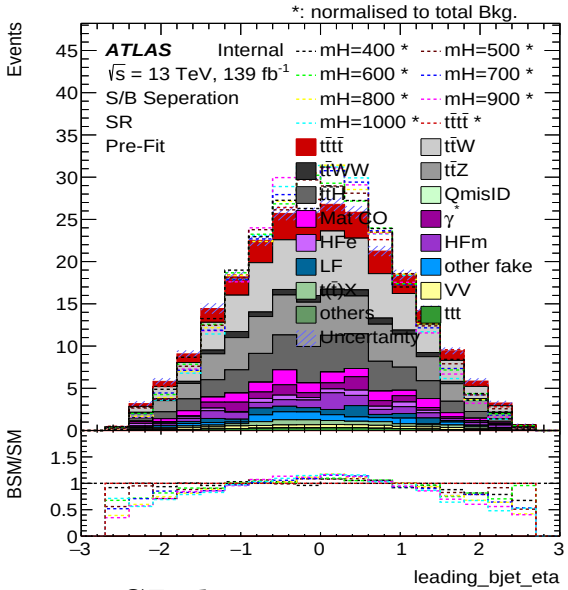


b-jets kinematics and lowest jet pT

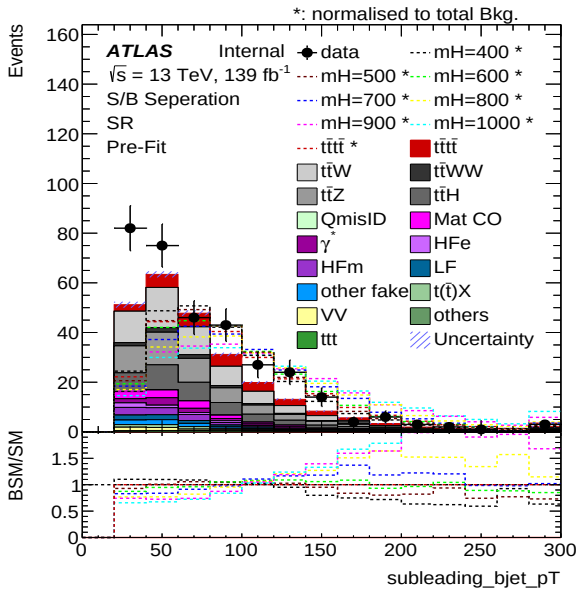
SR-leading-bjet-pT



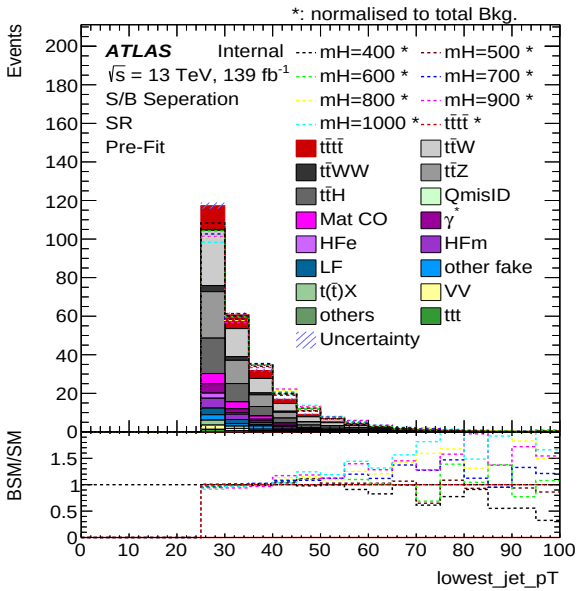
SR-leading-bjet-eta



SR-subleading-bjet-pT

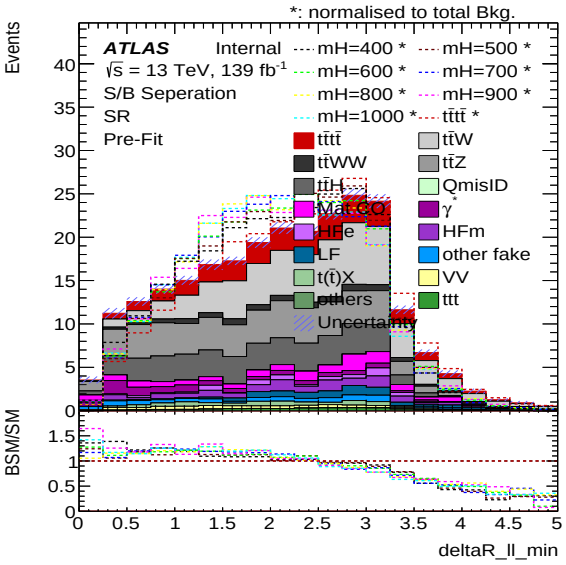


SR-lowest-jet-pT

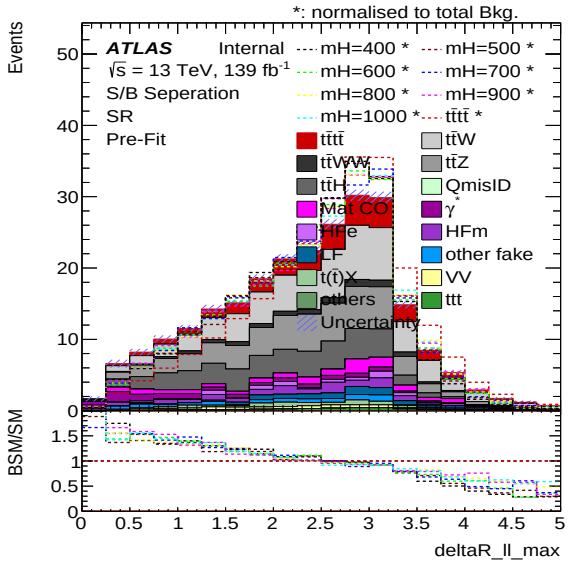


Delta R

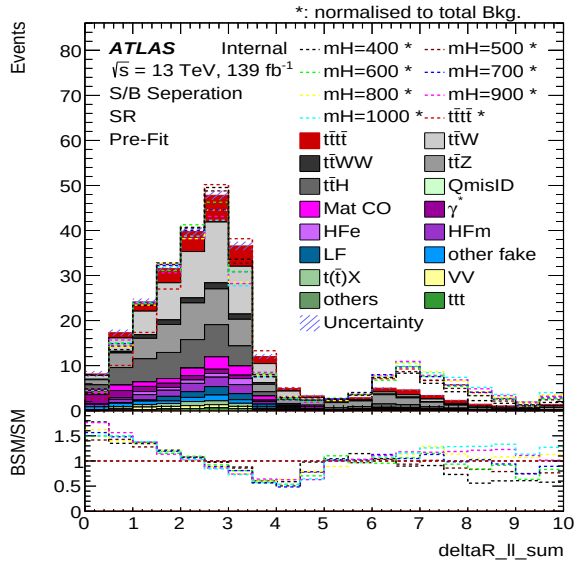
SR-deltaR-ll-min



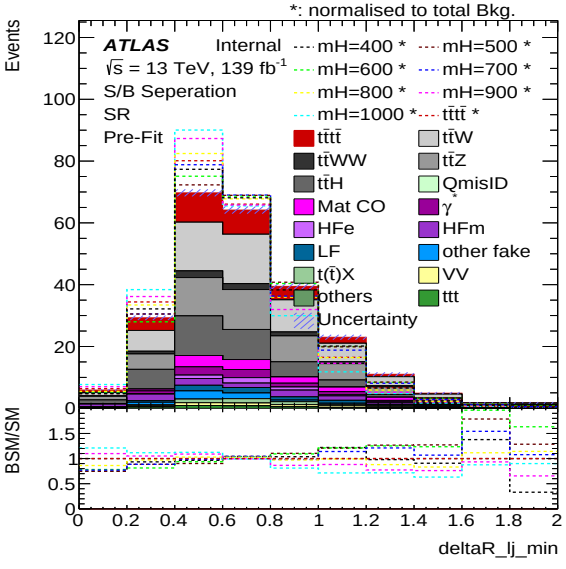
SR-deltaR-ll-max



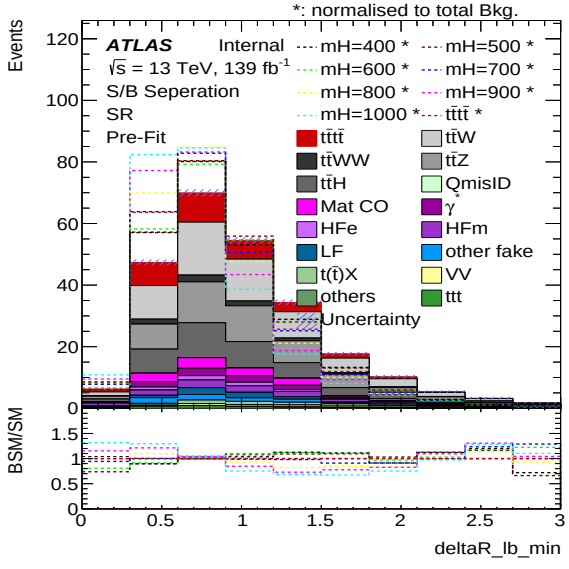
SR-deltaR-ll-sum



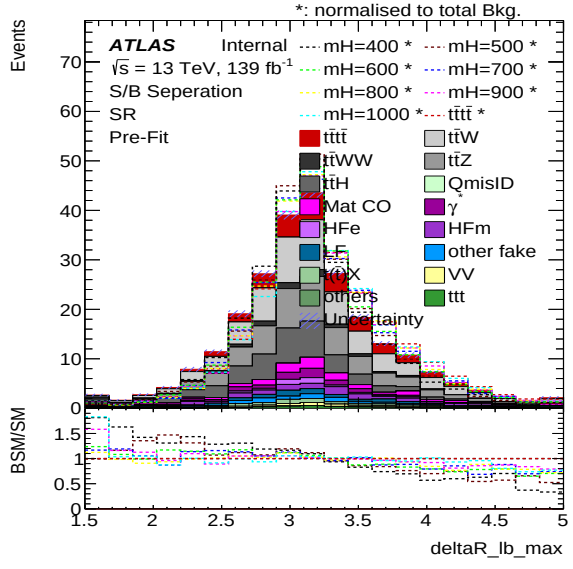
SR-deltaR-lj-min



SR-deltaR-lb-min

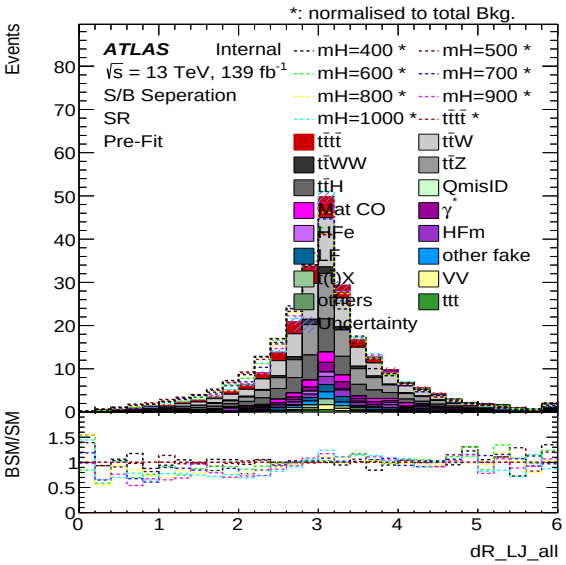


SR-deltaR-lb-max

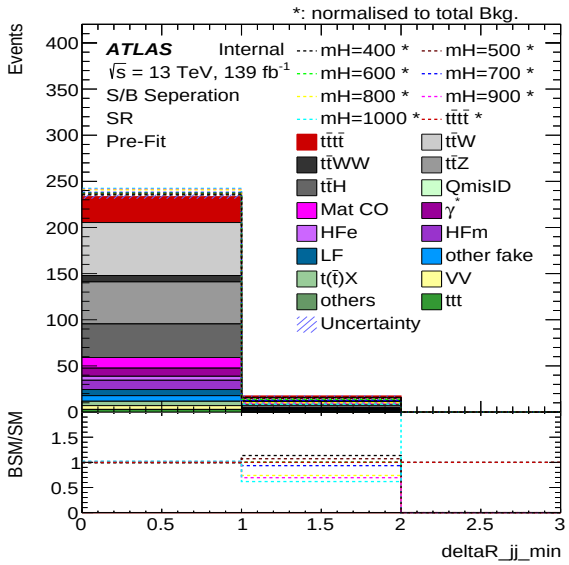


Delta R and delta Eta

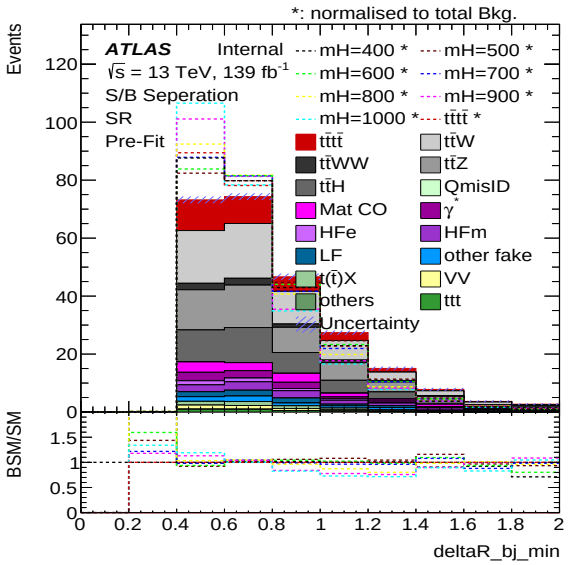
SR-dR-LJ-all



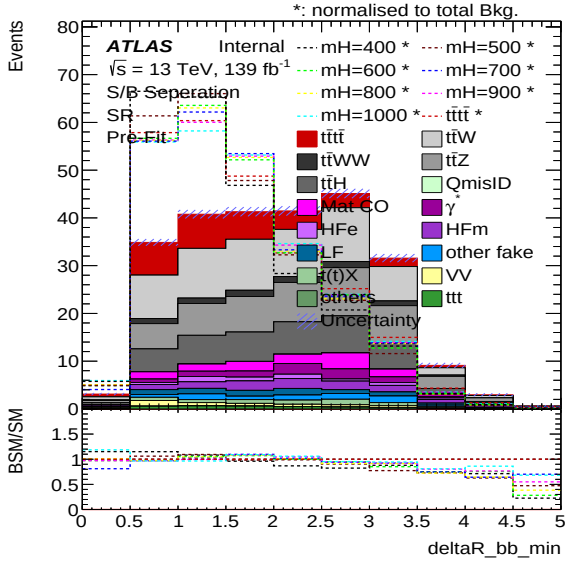
SR-deltaR-jj-min



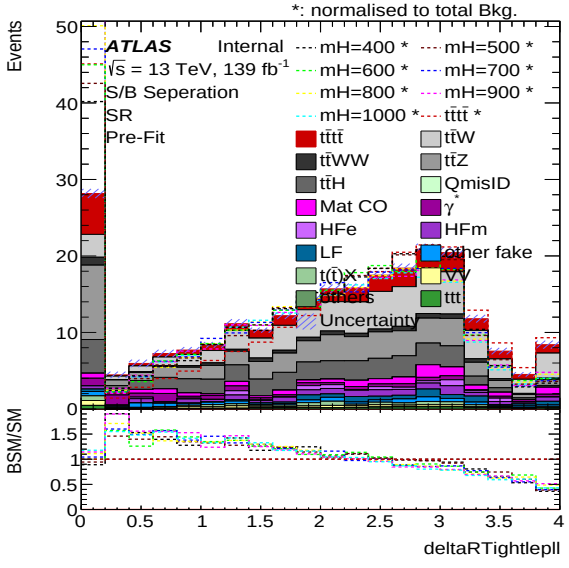
SR-deltaR-bj-min



SR-deltaR-bb-min

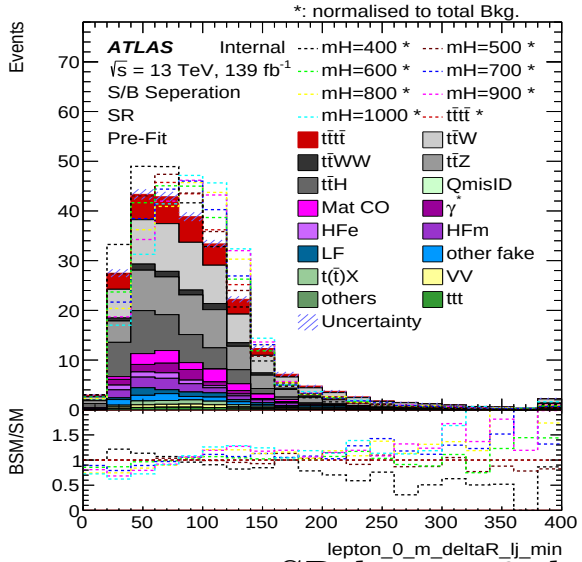


SR-deltaRTightlepll

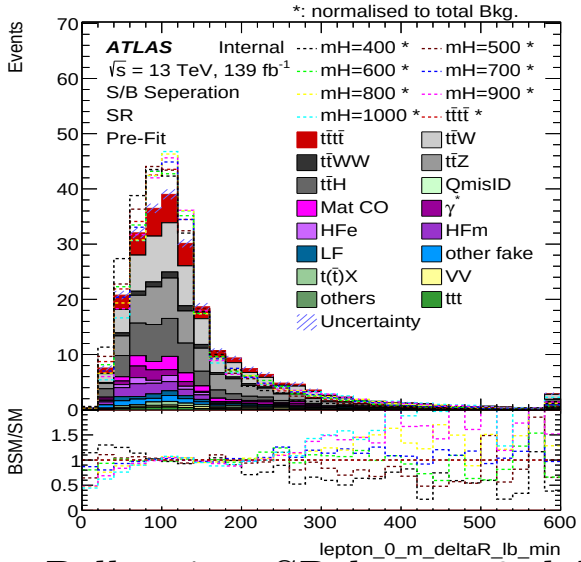


Delta R of lep0 and objects

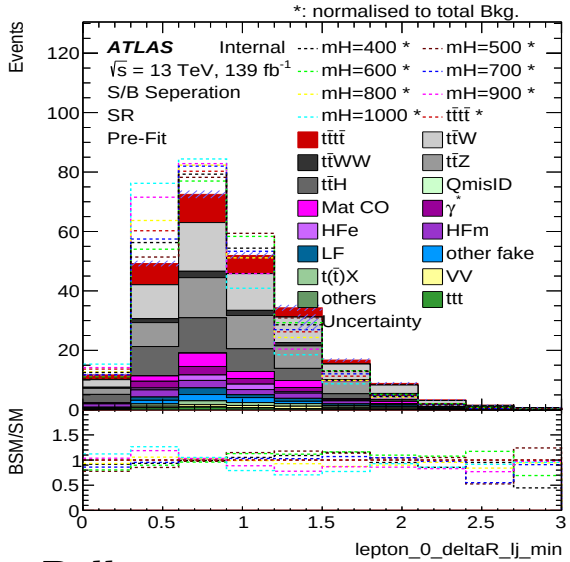
SR-lepton-0-m-deltaR-lj-min



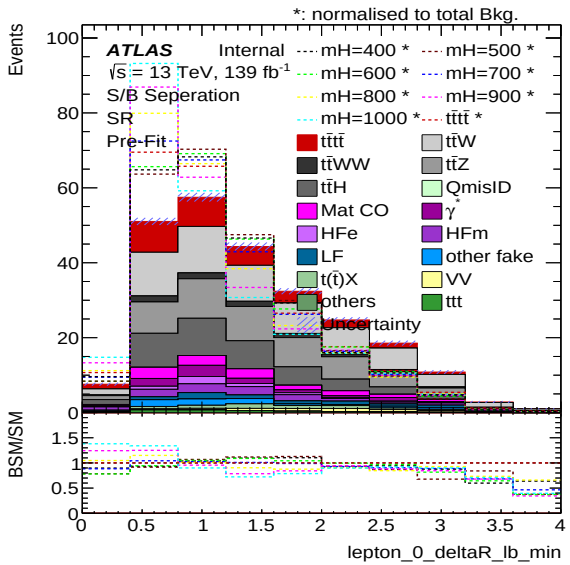
SR-lepton-0-m-deltaR-lb-min



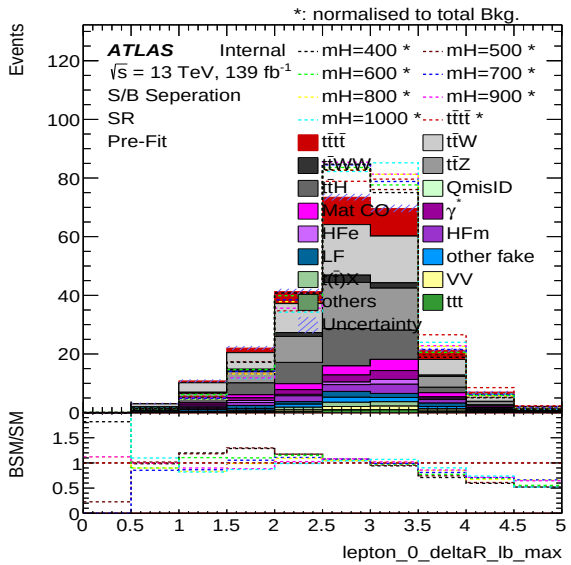
SR-lepton-0-deltaR-lj-min



SR-lepton-0-deltaR-lb-min

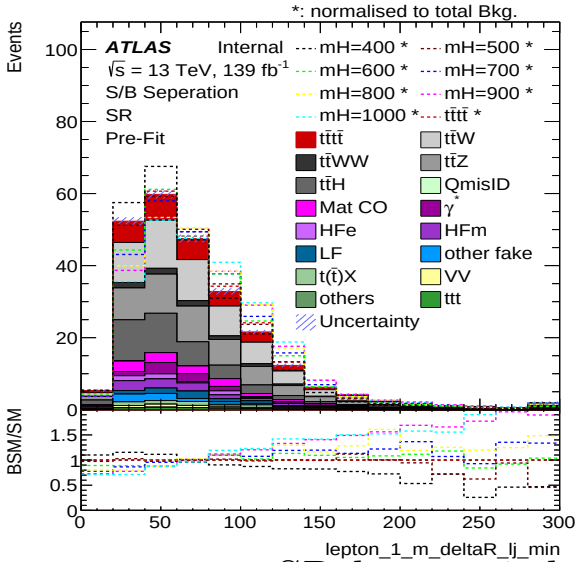


SR-lepton-0-deltaR-lb-max

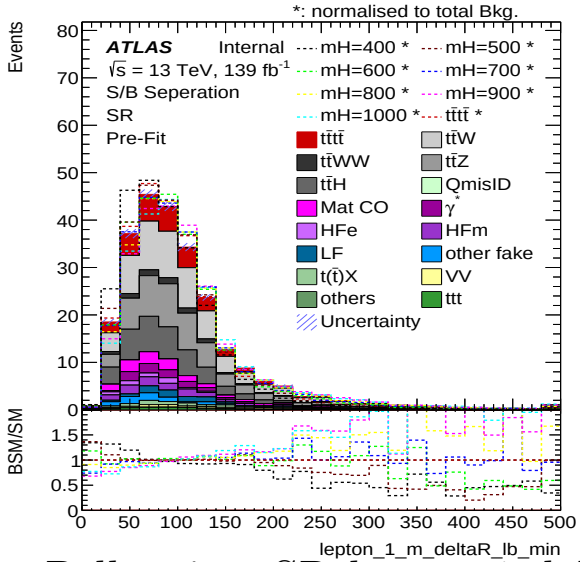


Delta R of lep1 and objects

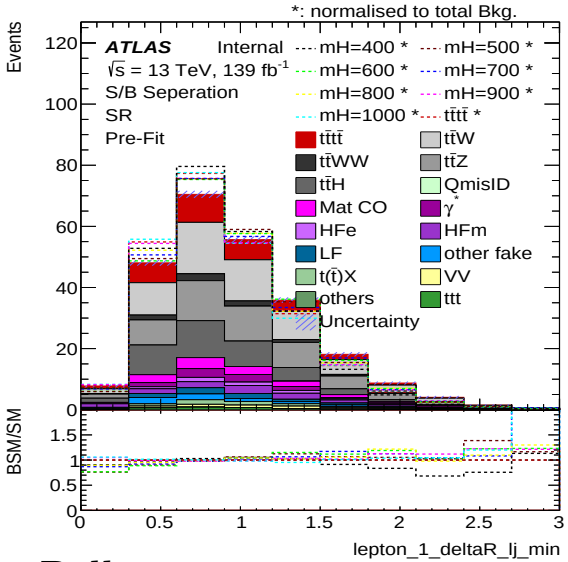
SR-lepton-1-m-deltaR-lj-min



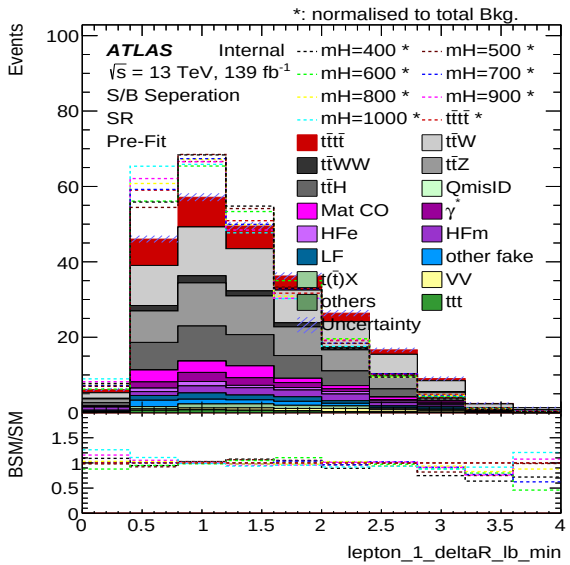
SR-lepton-1-m-deltaR-lb-min



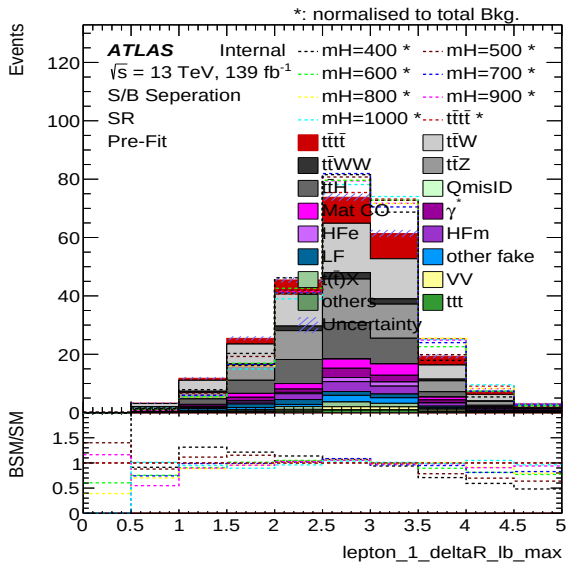
SR-lepton-1-deltaR-lj-min



SR-lepton-1-deltaR-lb-min

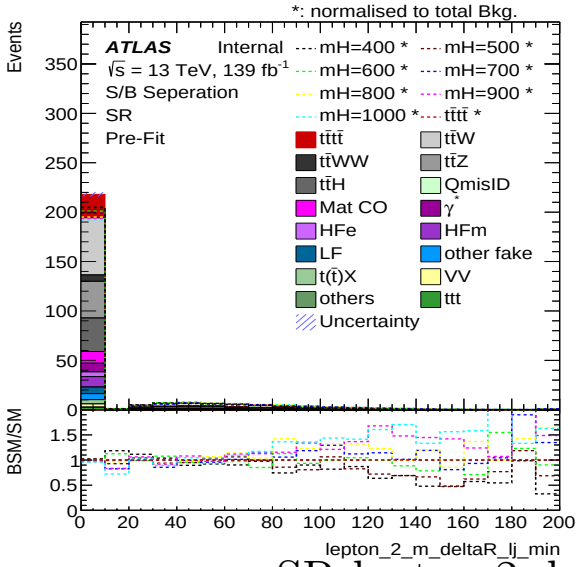


SR-lepton-1-deltaR-lb-max

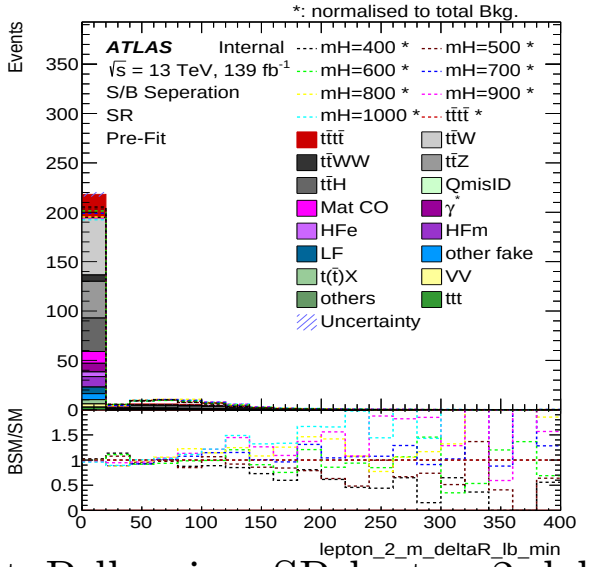


Delta R of lep2 and objects

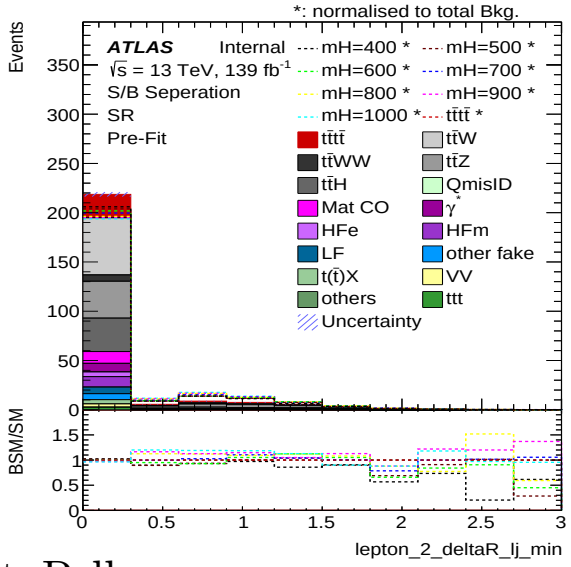
SR-lepton-2-m-deltaR-lj-min



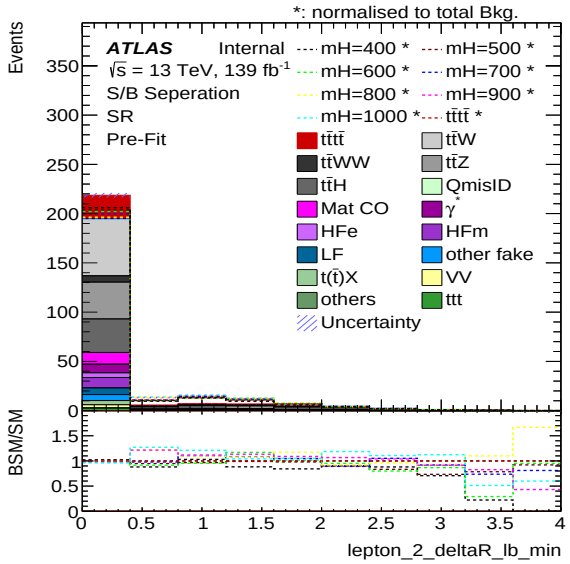
SR-lepton-2-m-deltaR-lb-min



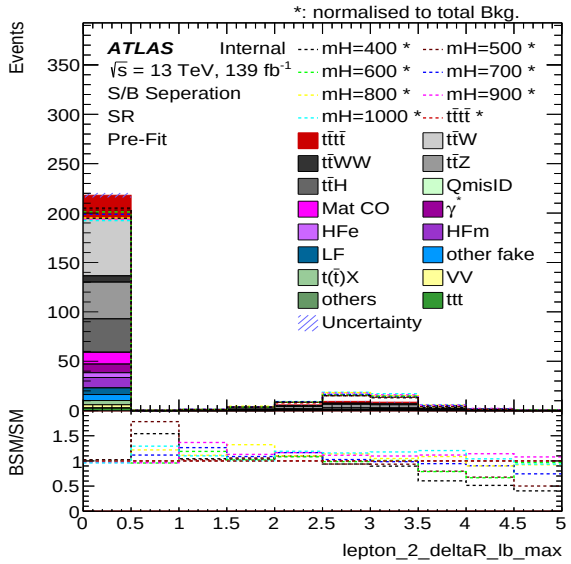
SR-lepton-2-deltaR-lj-min



SR-lepton-2-deltaR-lb-min

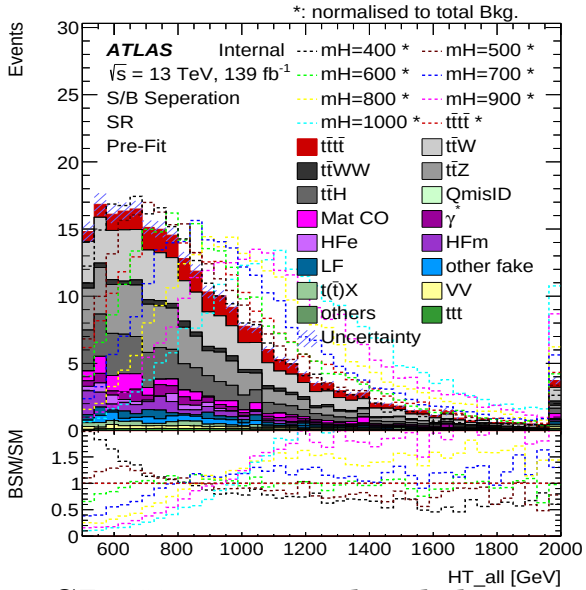


SR-lepton-2-deltaR-lb-max

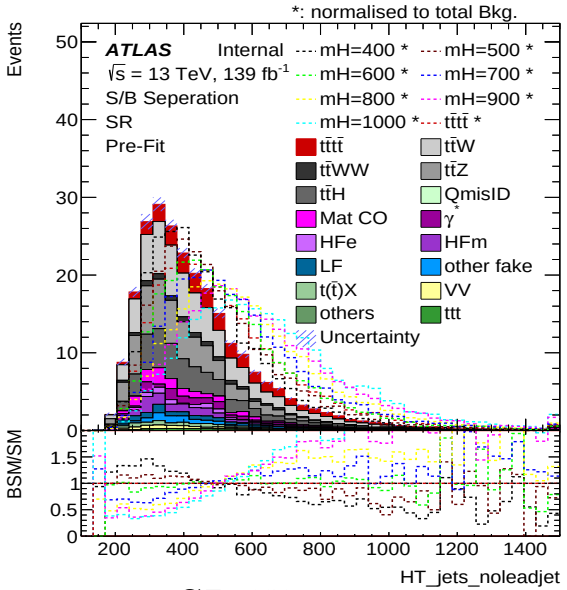


HT

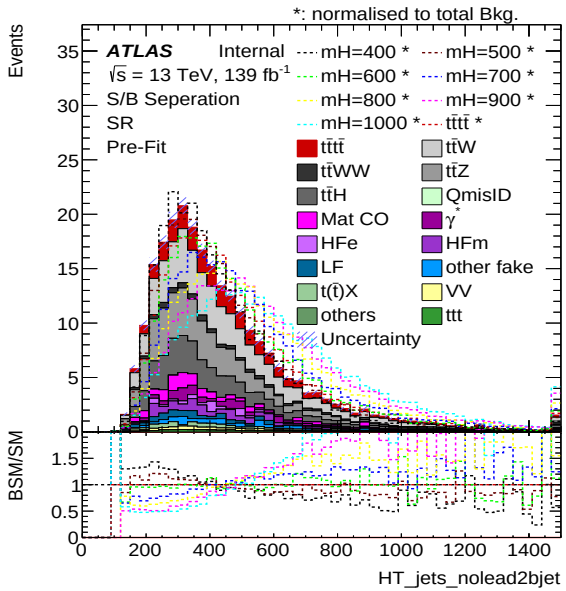
SR-HT-all



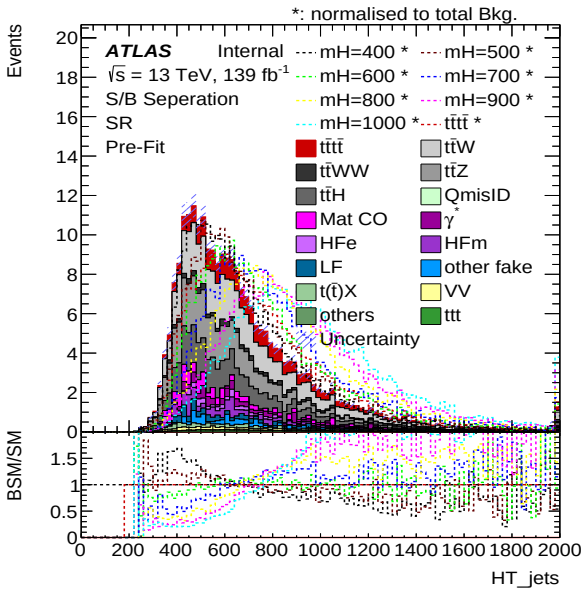
SR-HT-jets-noleadjet



SR-HT-jets-nolead2bjet

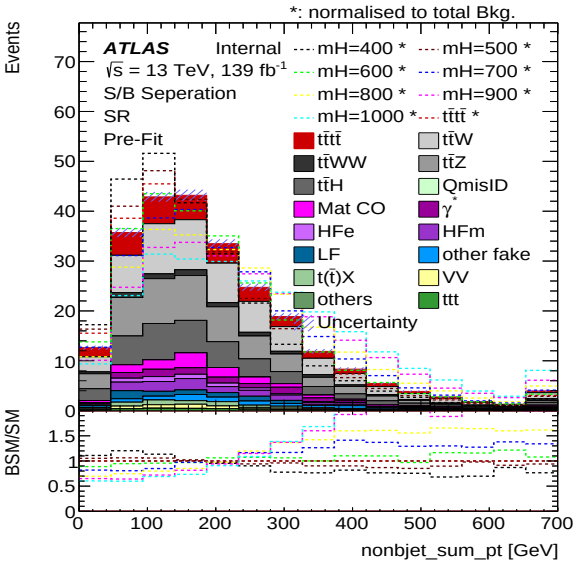


SR-HT-jets

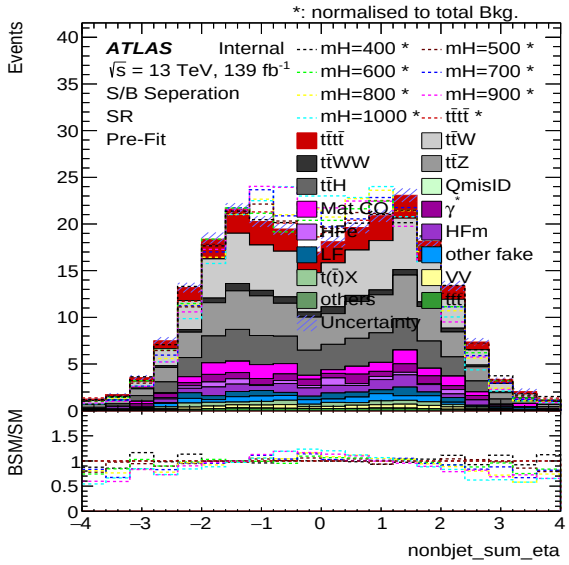


Combination without bjets

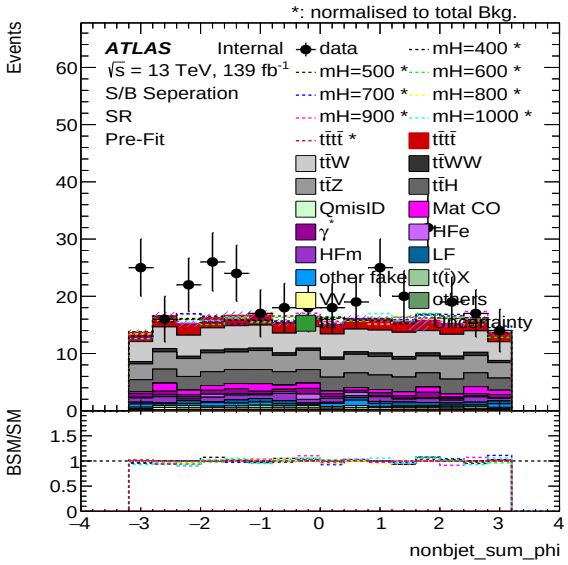
SR-nonbjet-sum-pt



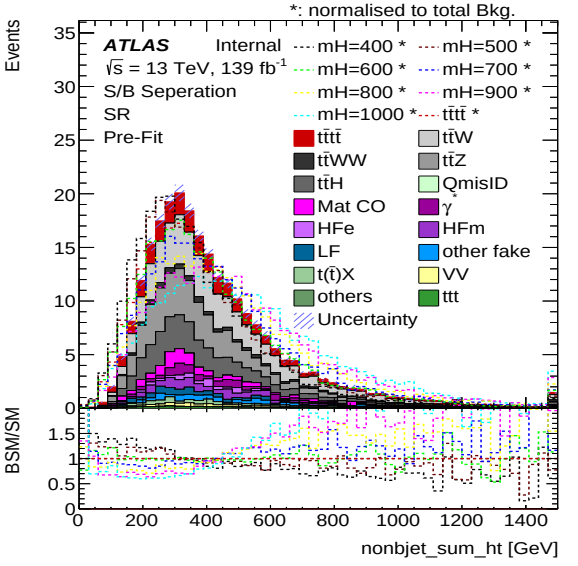
SR-nonbjet-sum-eta



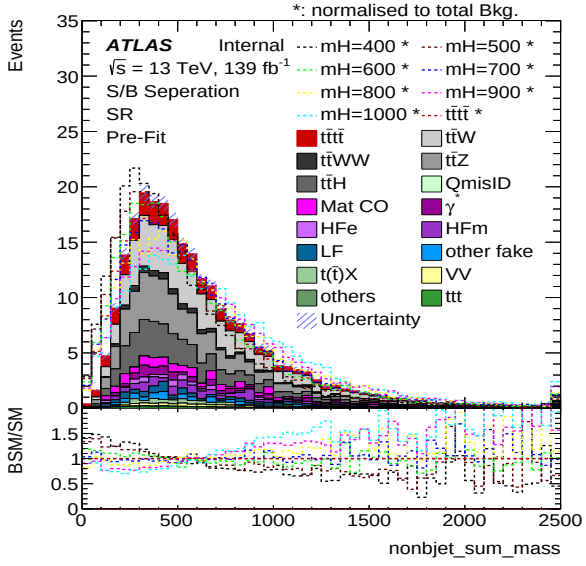
SR-nonbjet-sum-phi



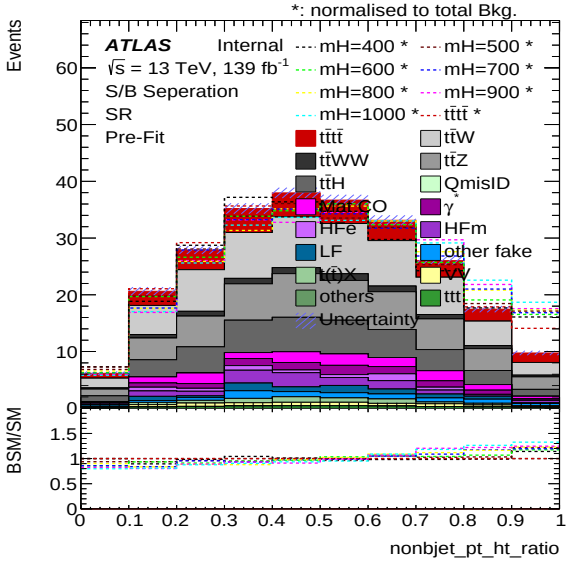
SR-nonbjet-sum-ht



SR-nonbjet-sum-mass

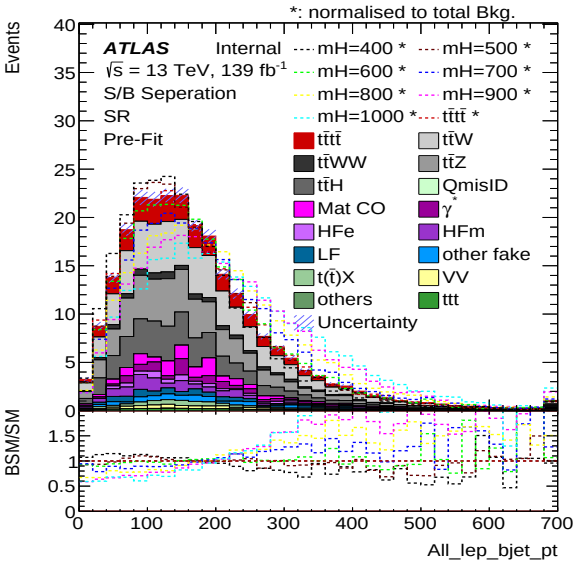


SR-nonbjet-pt-ht-ratio

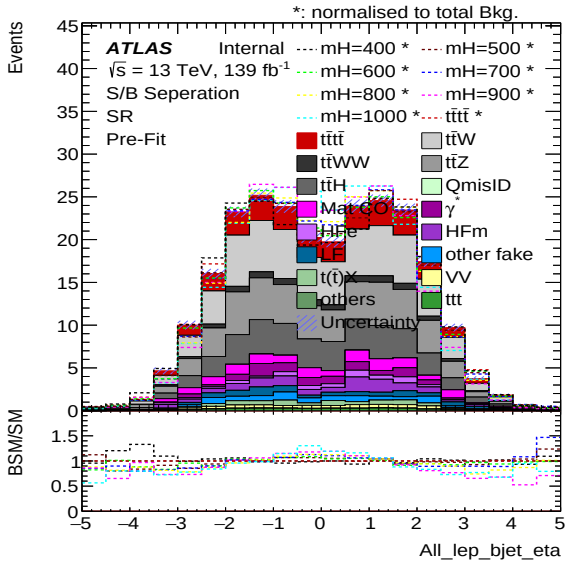


Combination of leptons and bjets

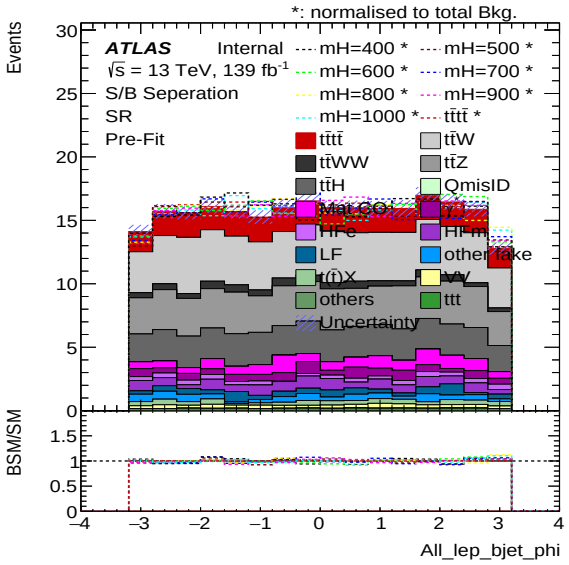
SR-All-lep-bjet-pt



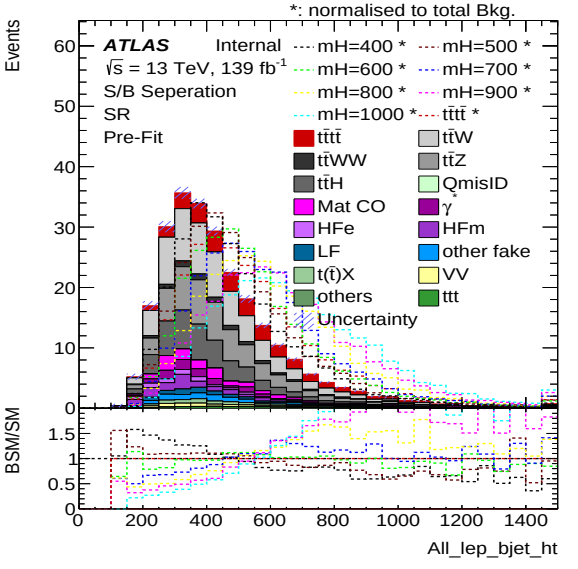
SR-All-lep-bjet-eta



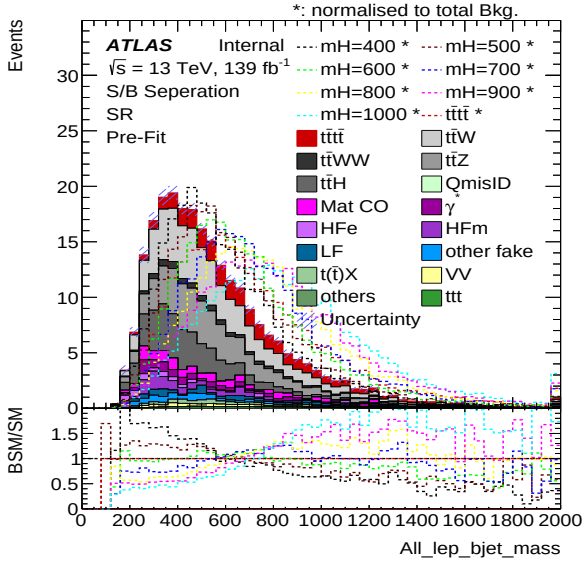
SR-All-lep-bjet-phi



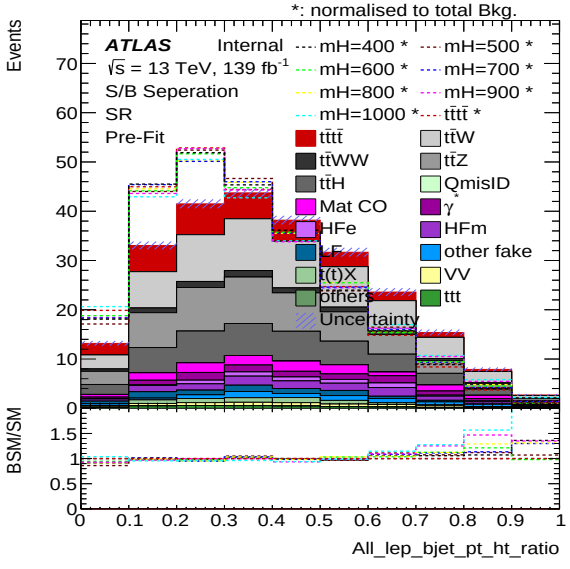
SR-All-lep-bjet-ht



SR-All-lep-bjet-mass

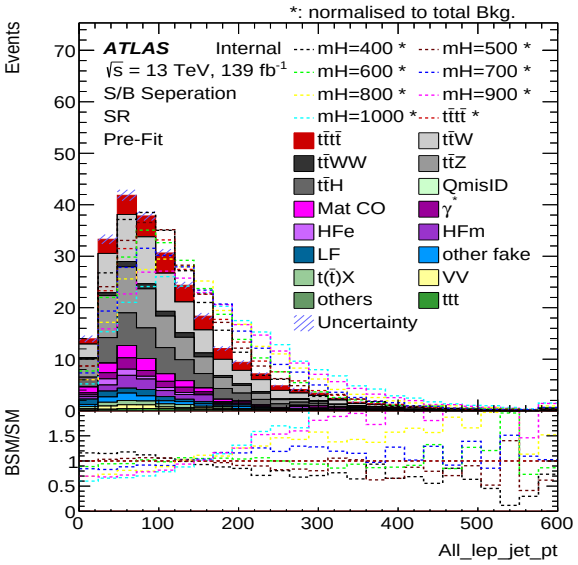


SR-All-lep-bjet-pt-ht-ratio

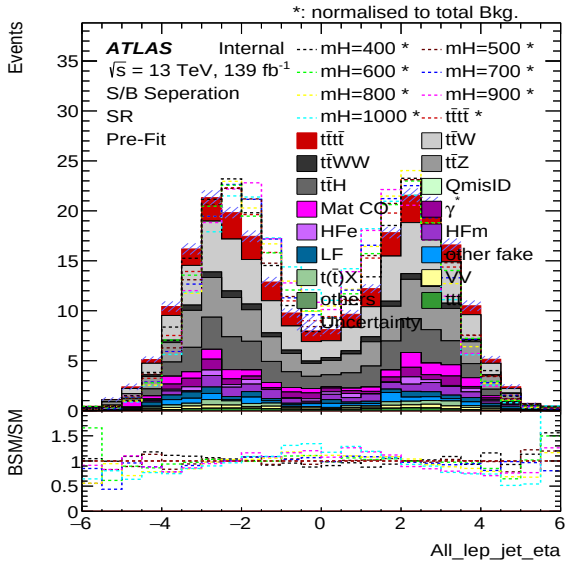


Combination of leptons and jets

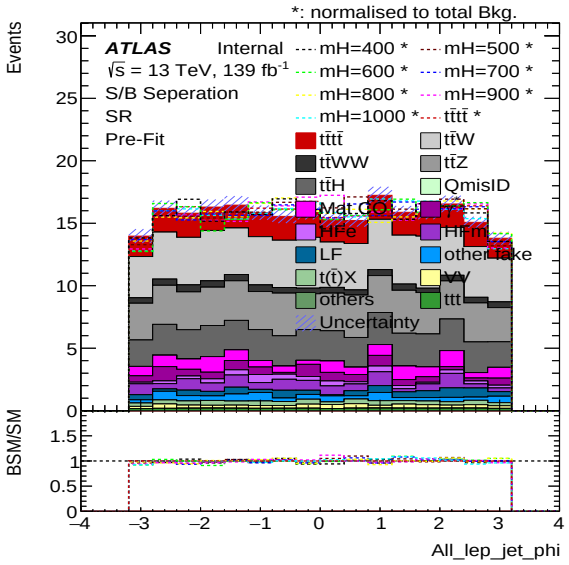
SR-All-lep-jet-pt



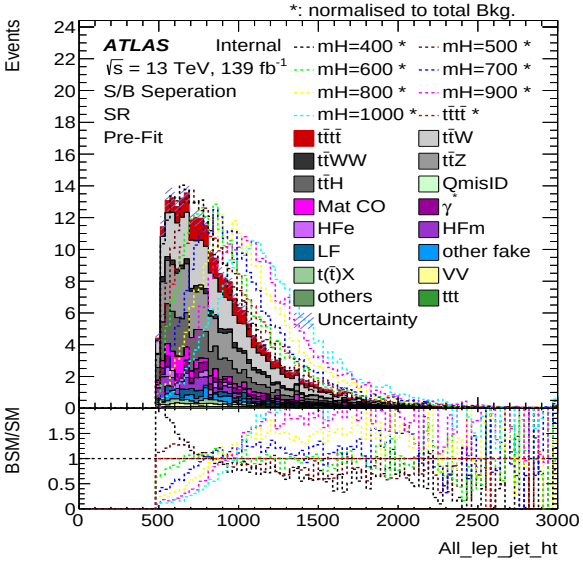
SR-All-lep-jet-eta



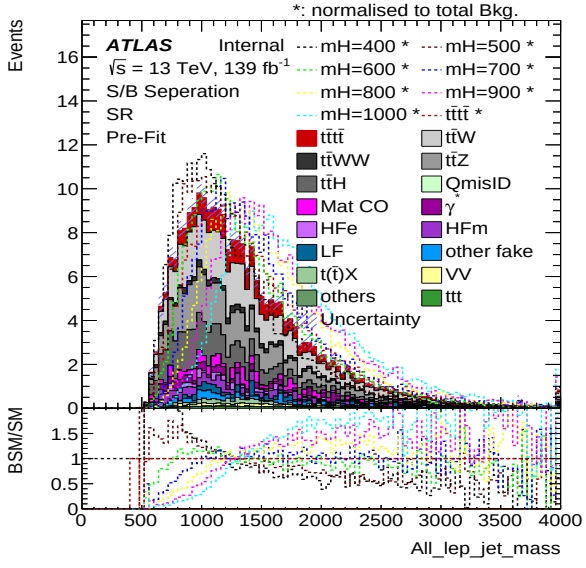
SR-All-lep-jet-phi



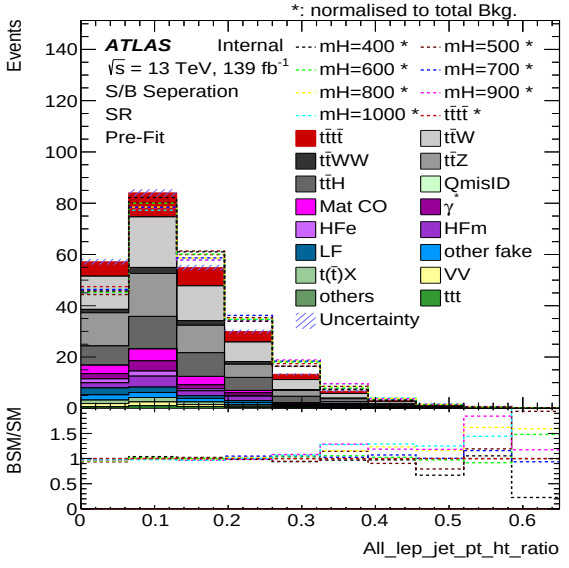
SR-All-lep-jet-ht



SR-All-lep-jet-mass

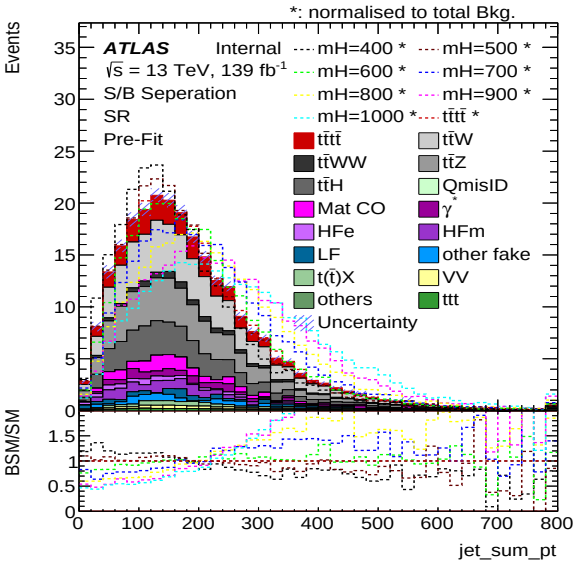


SR-All-lep-jet-pt-ht-ratio

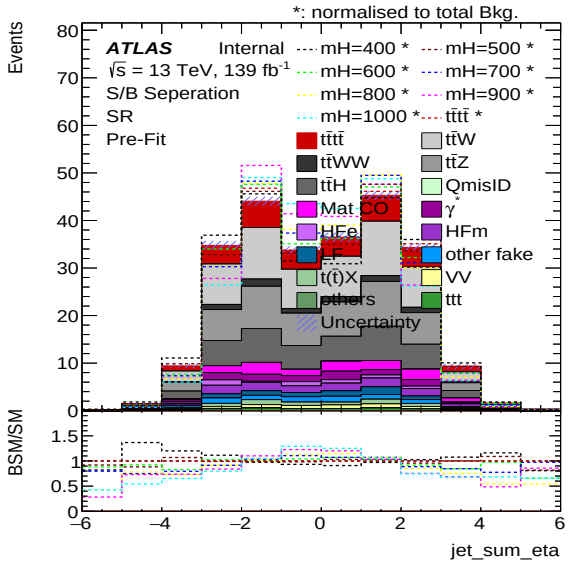


Combination of jets

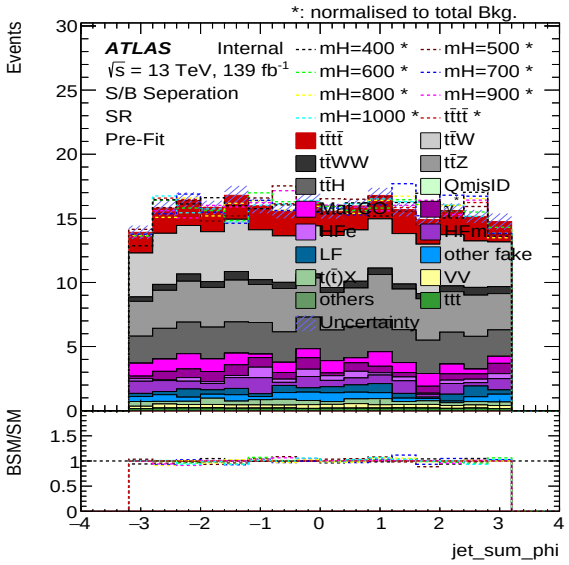
SR-jet-sum-pt



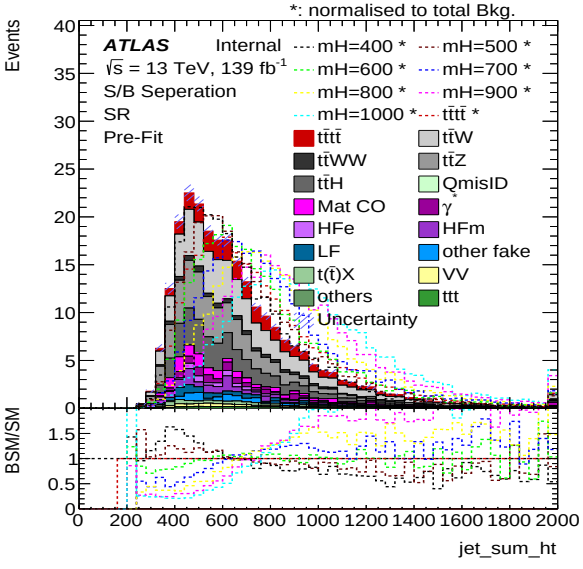
SR-jet-sum-eta



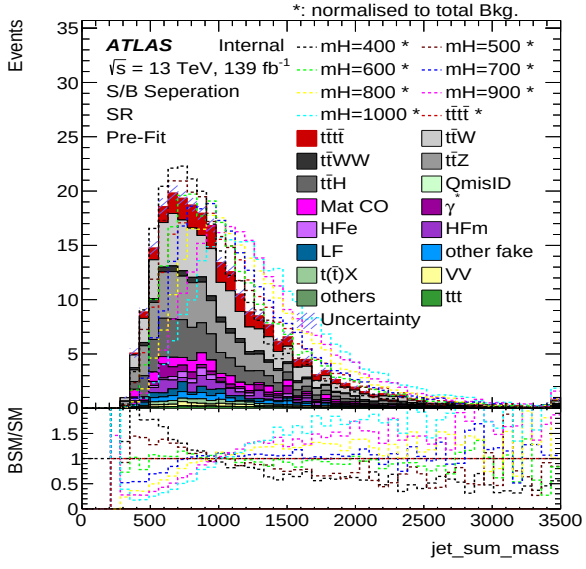
SR-jet-sum-phi



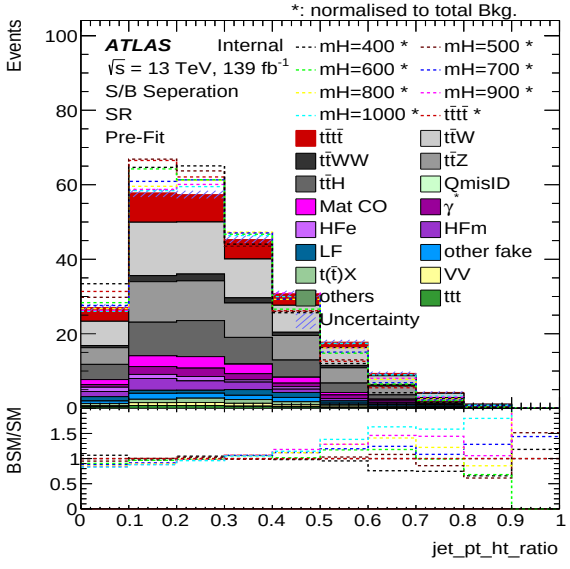
SR-jet-sum-ht



SR-jet-sum-mass

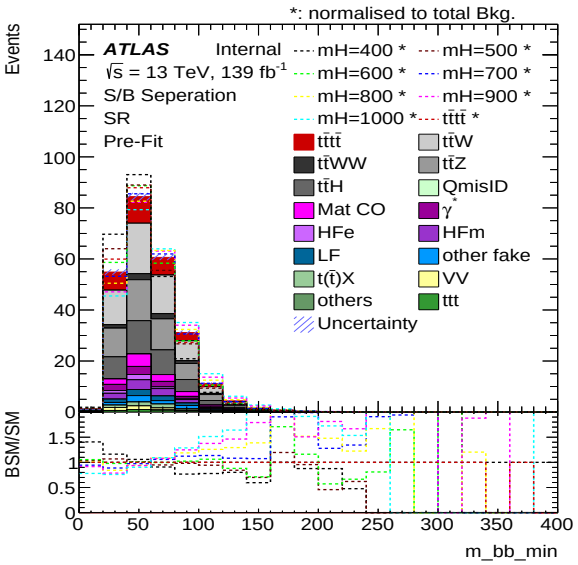


SR-jet-pt-ht-ratio

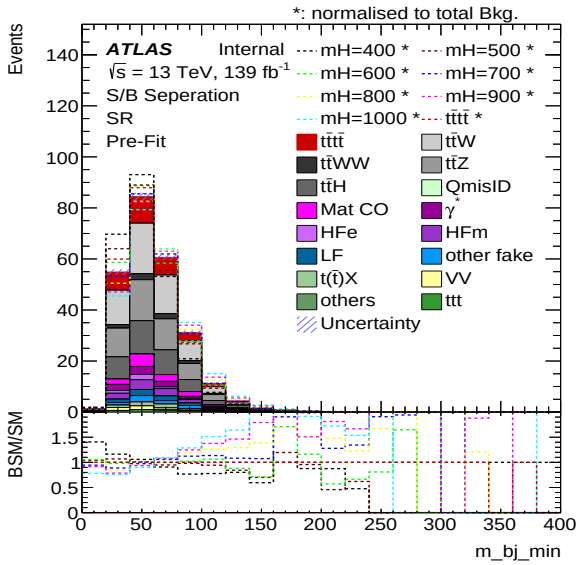


Combination of jets

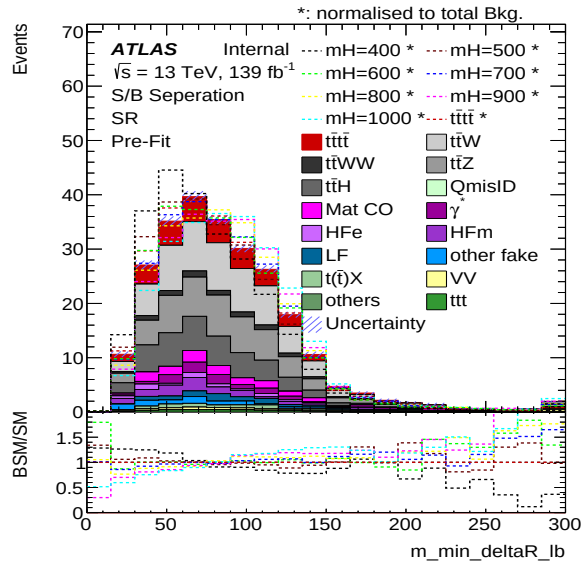
SR-m-bb-min



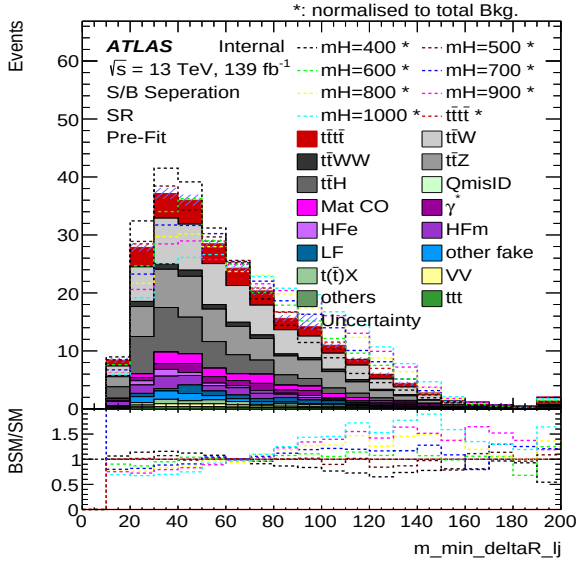
SR-m-bj-min



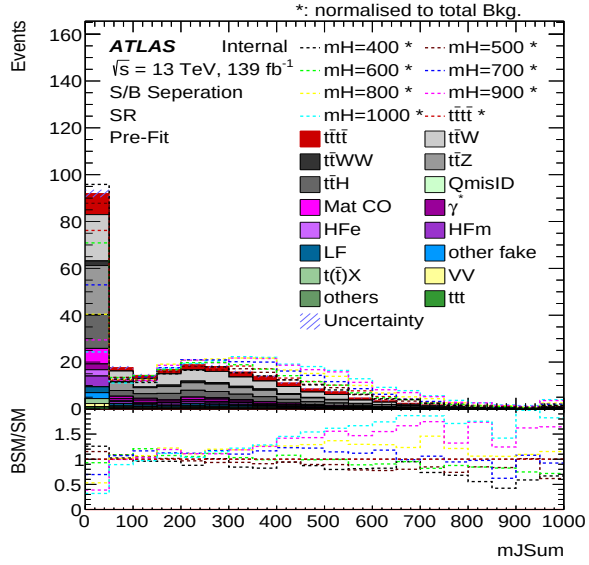
SR-m-min-deltaR-lb



SR-m-min-deltaR-lj

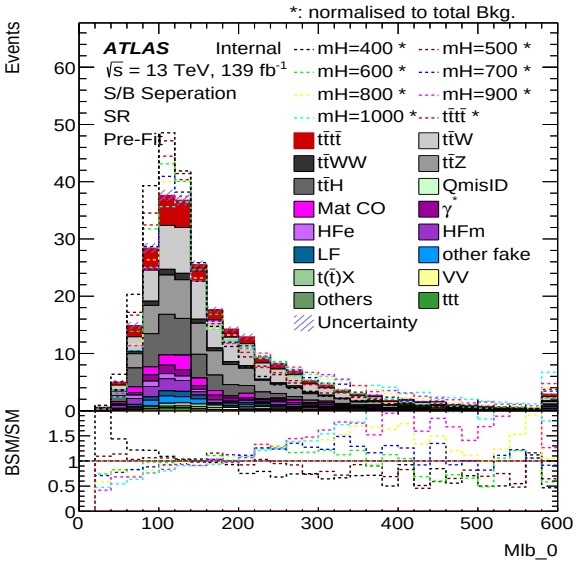


SR-mJSum

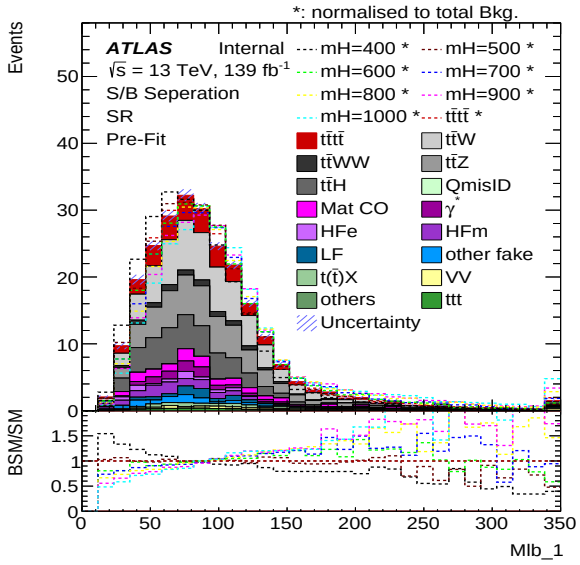


Combination of lep and bjets

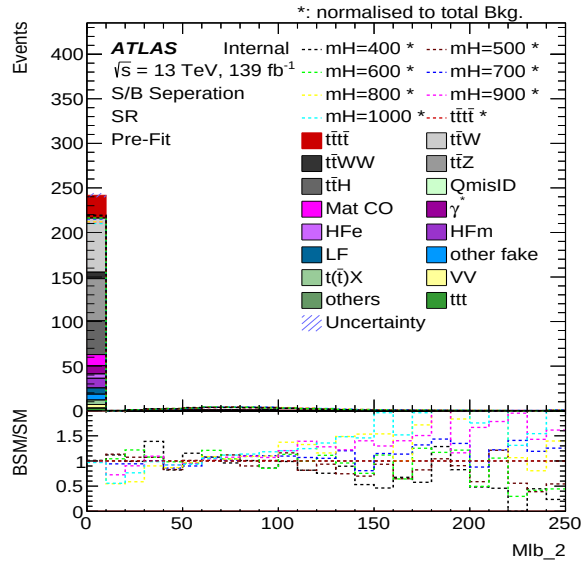
SR-Mlb-0



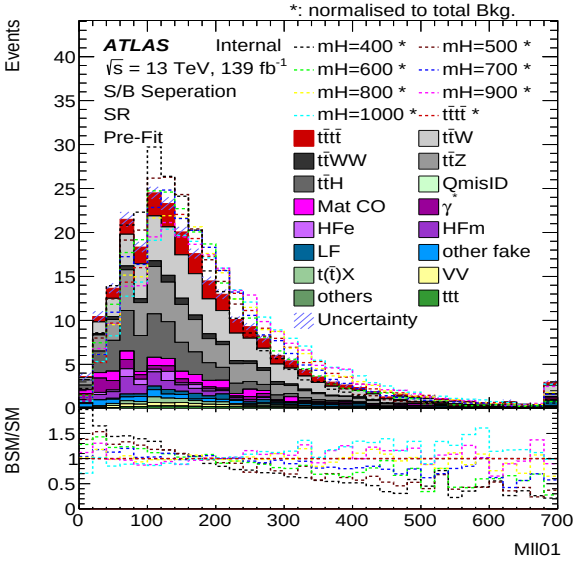
SR-Mlb-1



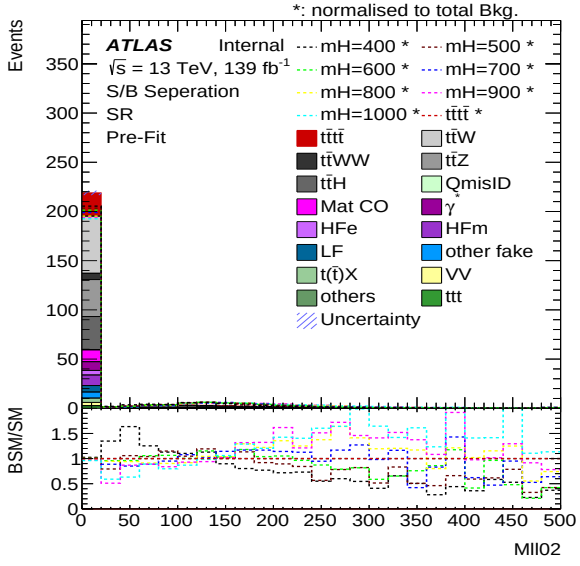
SR-Mlb-2



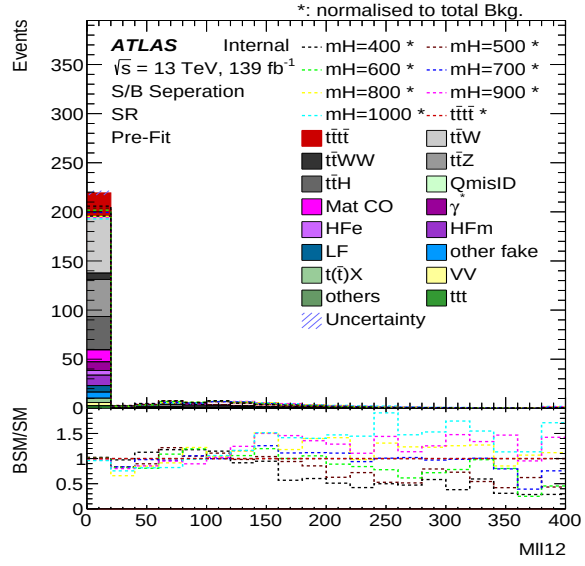
SR-Mll01



SR-Mll02

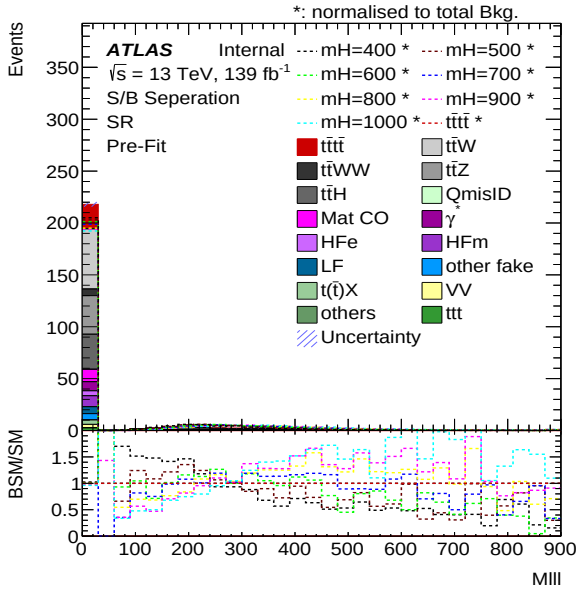


SR-Mll12

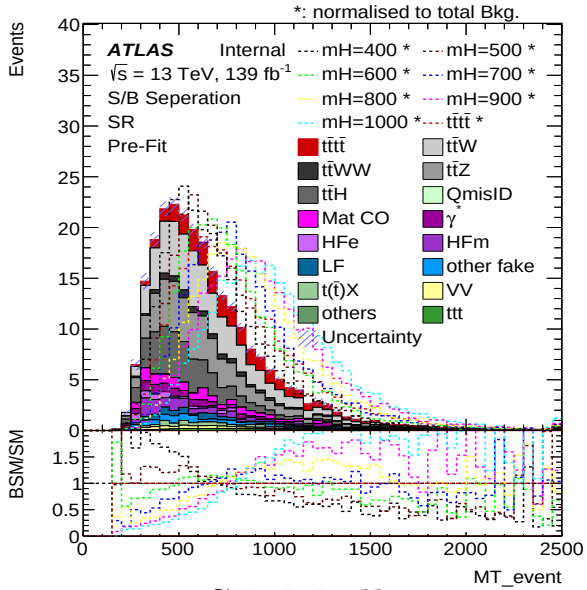


Combination of lep and MT

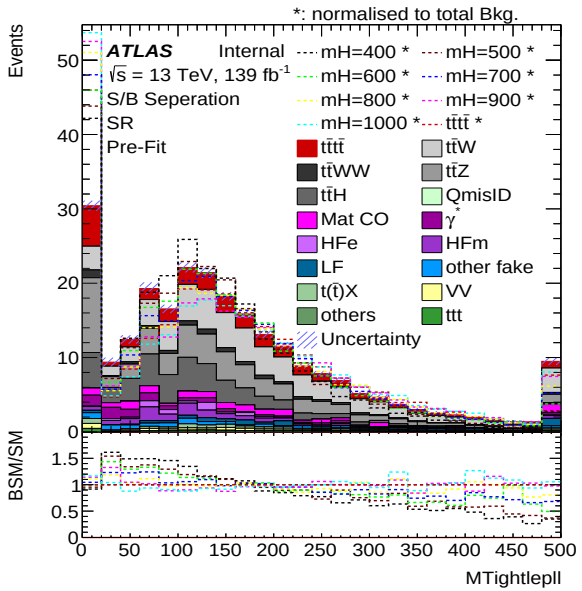
SR-Mlll



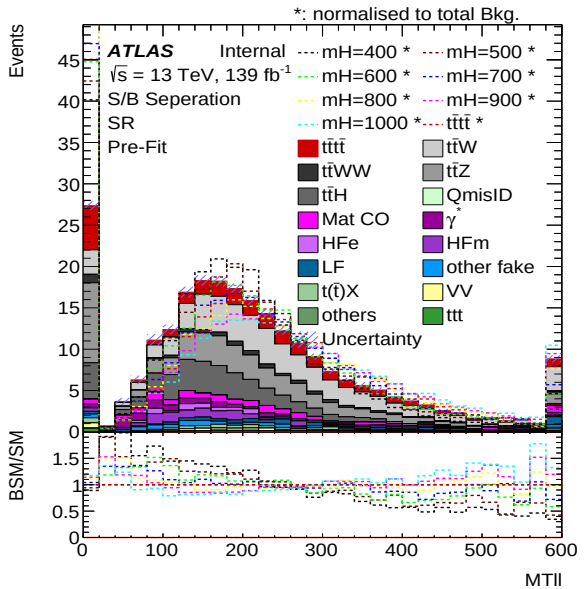
SR-MT-event



SR-MTightlepll

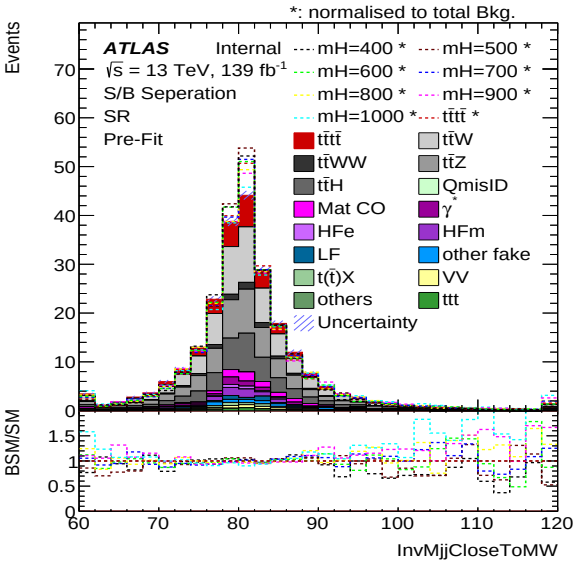


SR-MTll

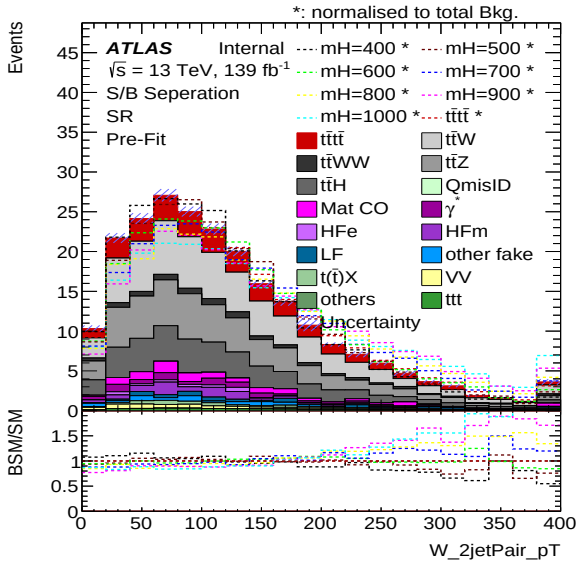


m_{jj} close to m_W

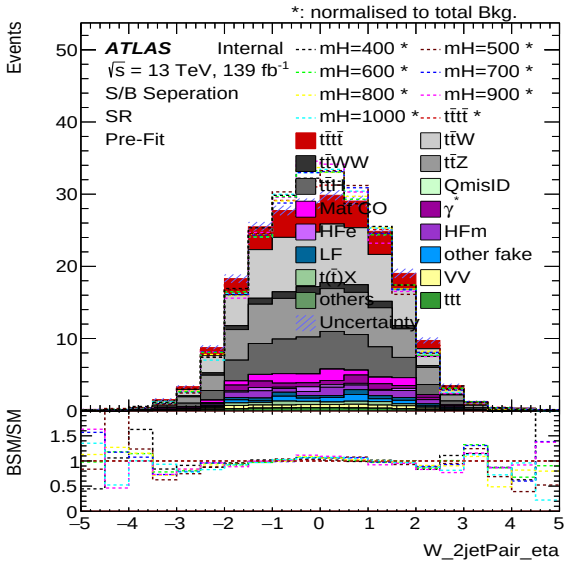
SR-InvMjjCloseToMW



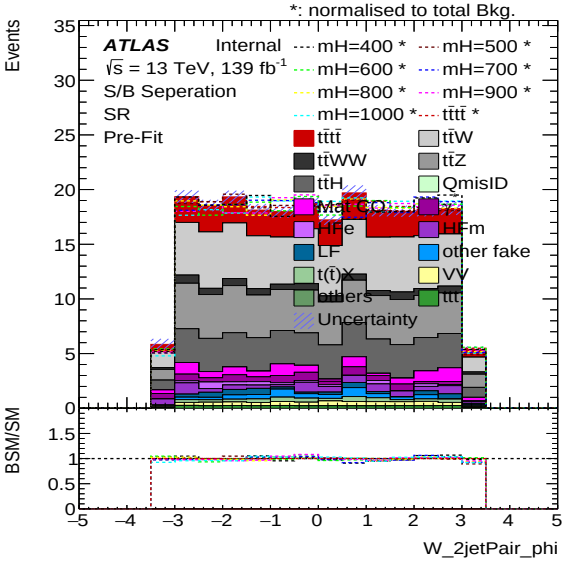
SR-W-2jetPair-pT



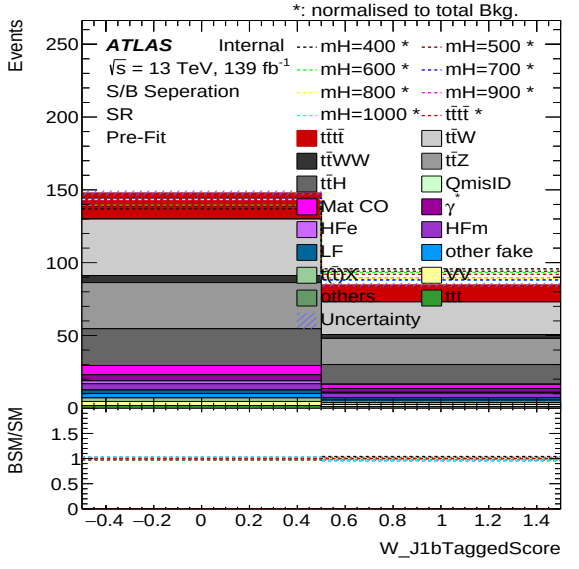
SR-W-2jetPair-eta



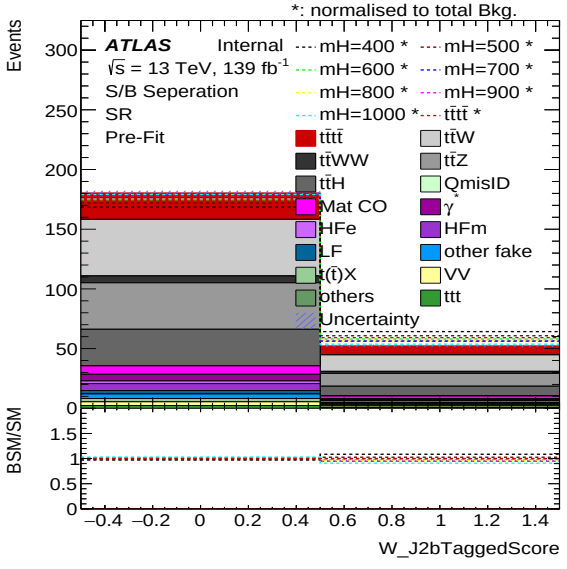
SR-W-2jetPair-phi



SR-W-J1bTaggedScore

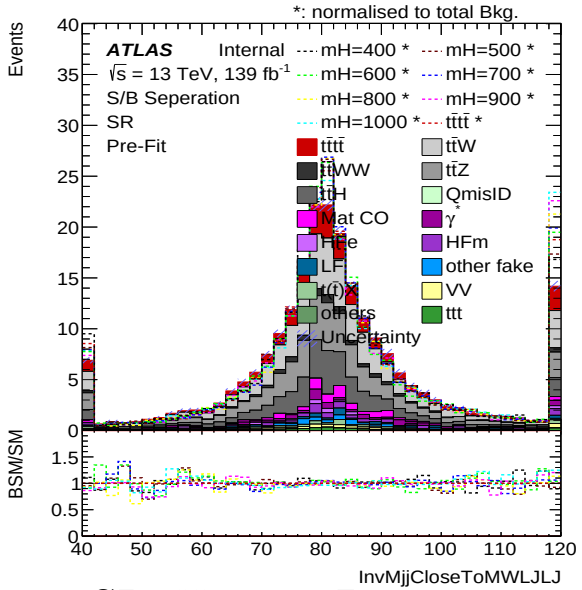


SR-W-J2bTaggedScore

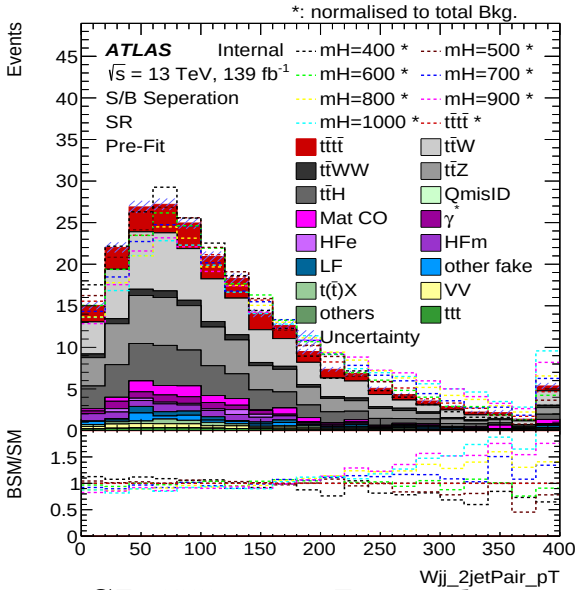


$m_{2 \text{ light jets}}$ close to m_W

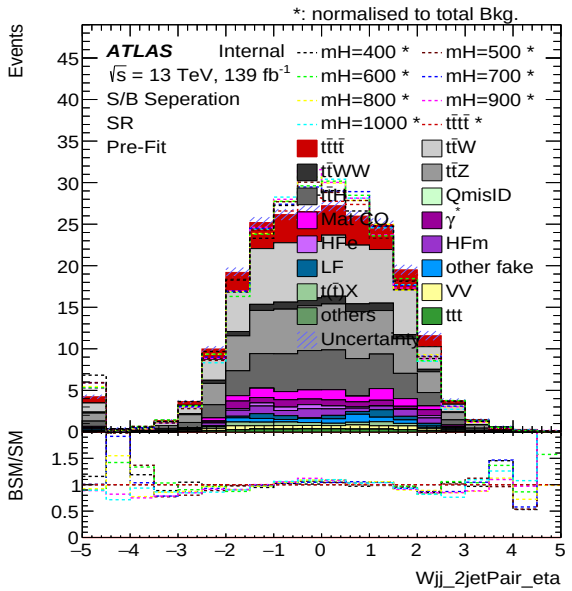
SR-InvMjjCloseToMWLJLJ



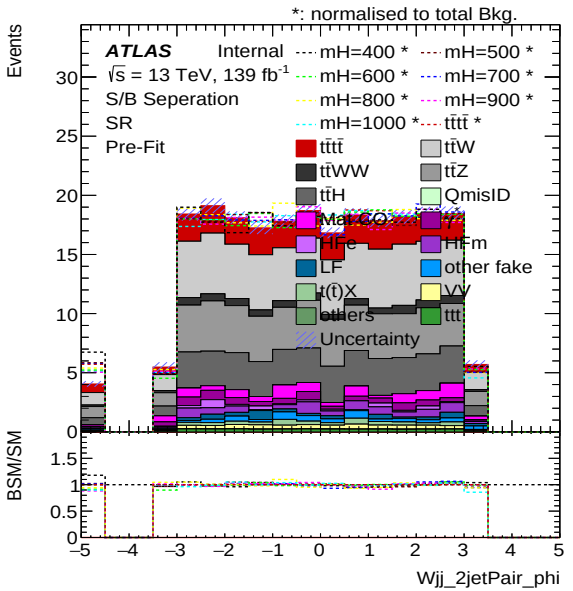
SR-Wjj-2jetPair-pT



SR-Wjj-2jetPair-eta

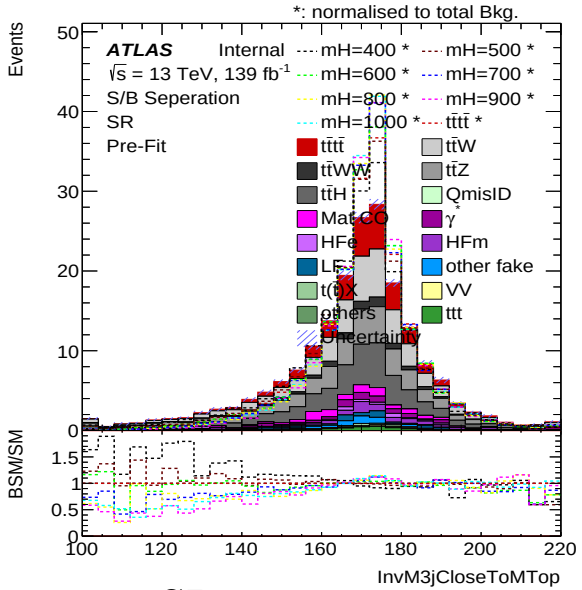


SR-Wjj-2jetPair-phi

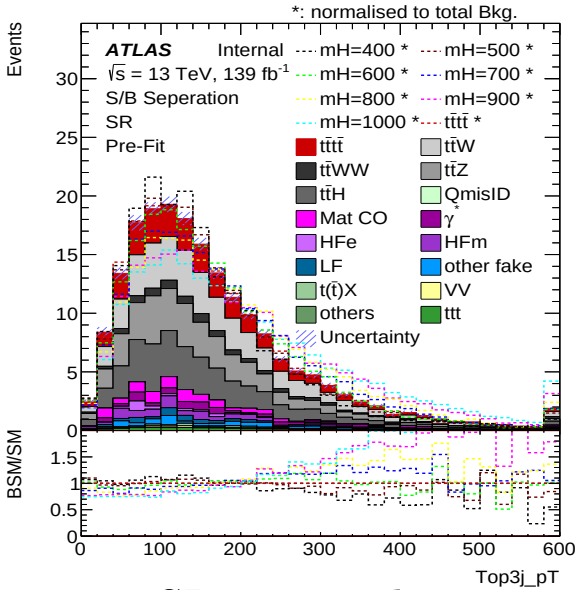


m_{jj} close to m_{Top}

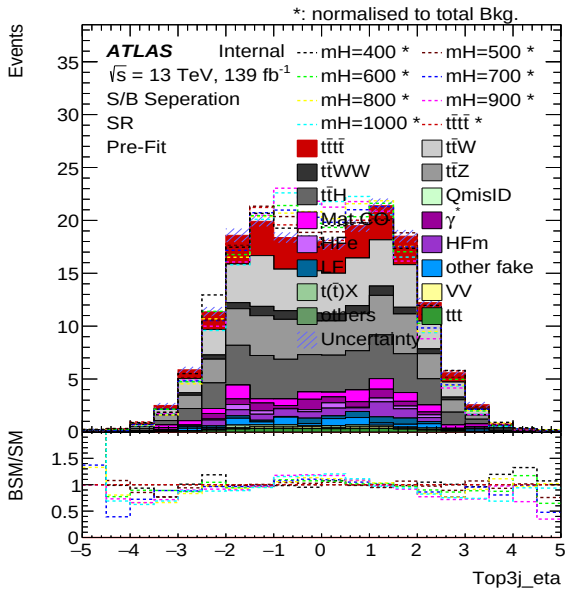
SR-InvM3jCloseToMTop



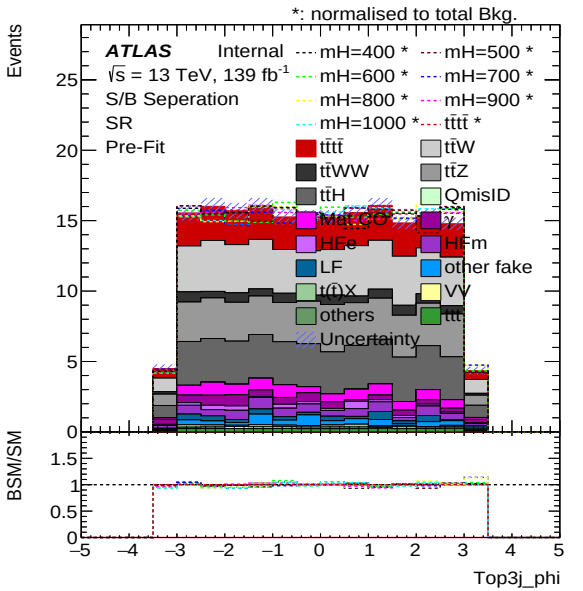
SR-Top3j-pT



SR-Top3j-eta

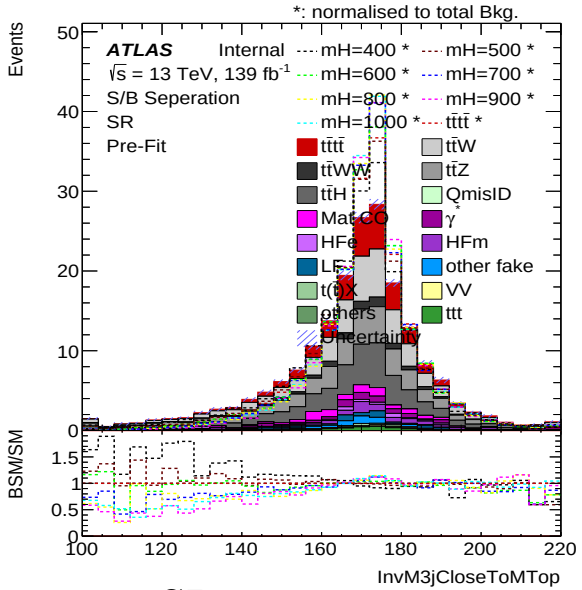


SR-Top3j-phi

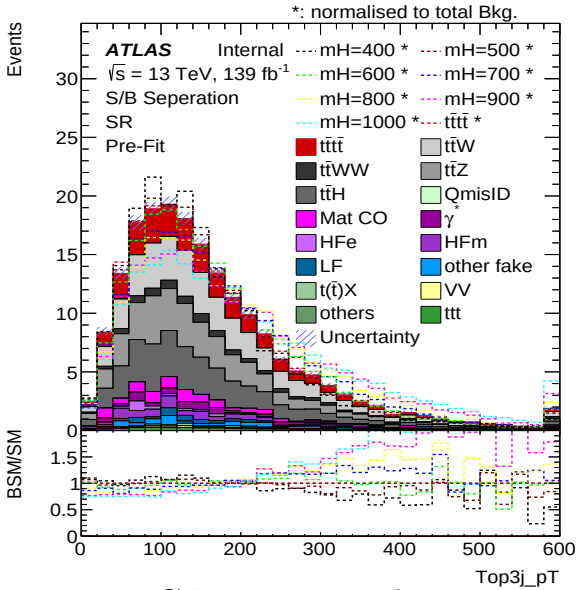


m_{jj} close to m_{Top}

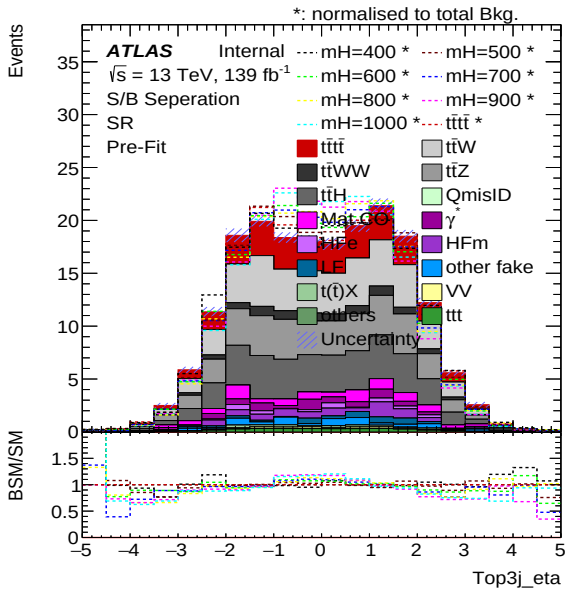
SR-InvM3jCloseToMTop



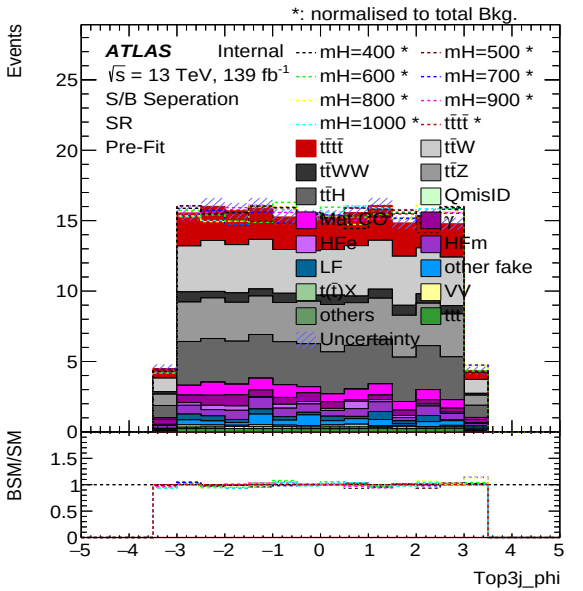
SR-Top3j-pT



SR-Top3j-eta

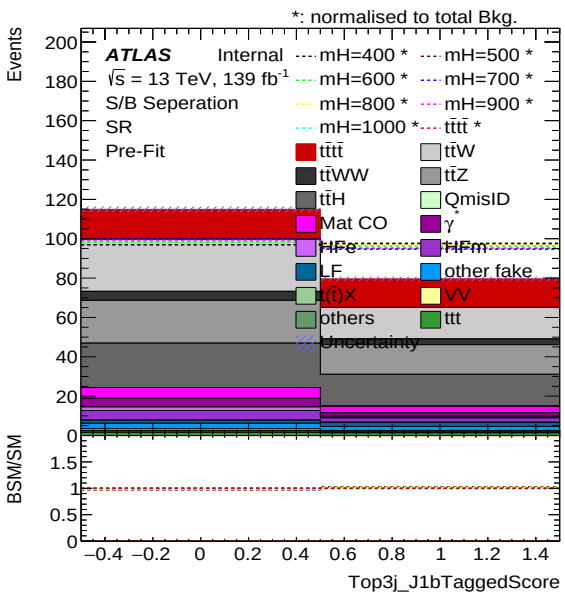


SR-Top3j-phi

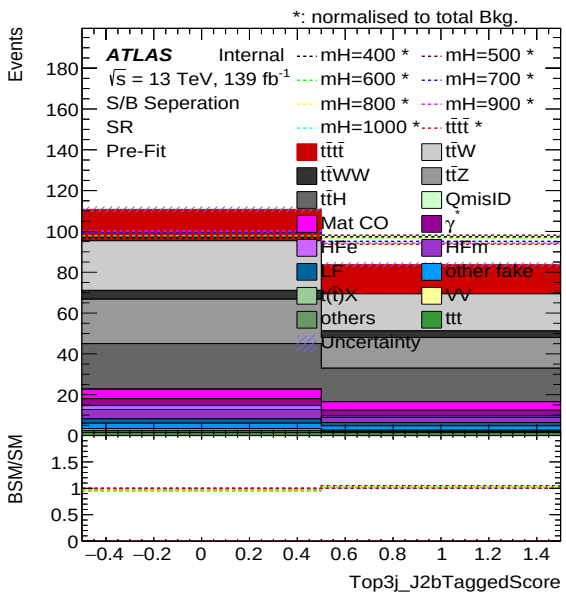


b-jet contained in the reconstruction

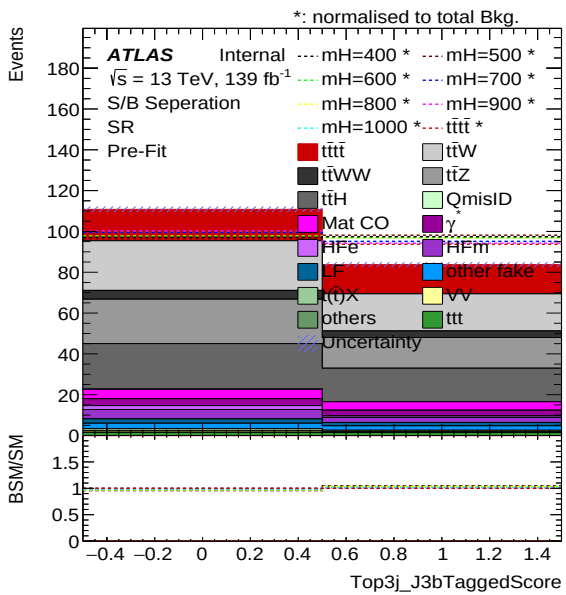
SR-Top3j-J1bTaggedScore



SR-Top3j-J2bTaggedScore



SR-Top3j-J3bTaggedScore



Backup