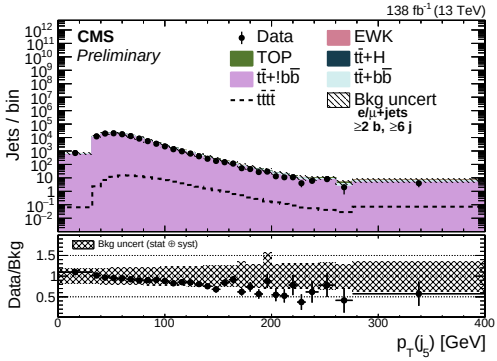
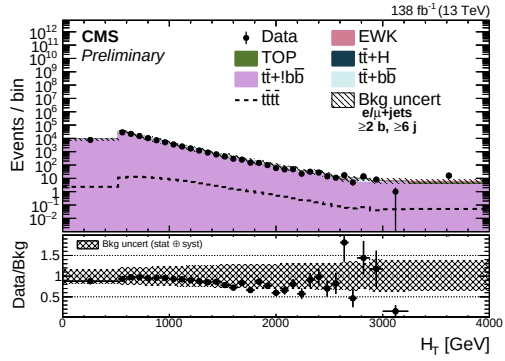
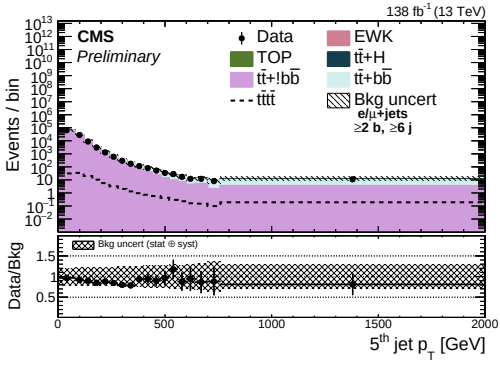
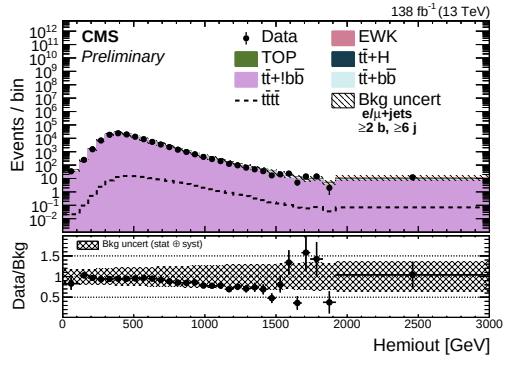
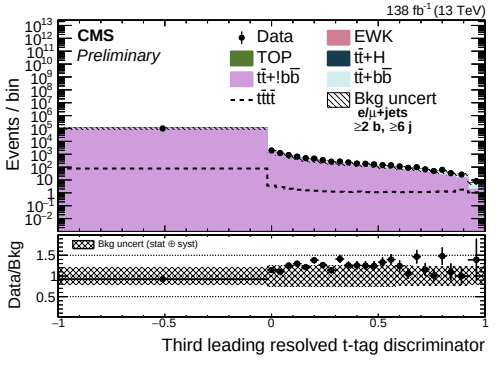
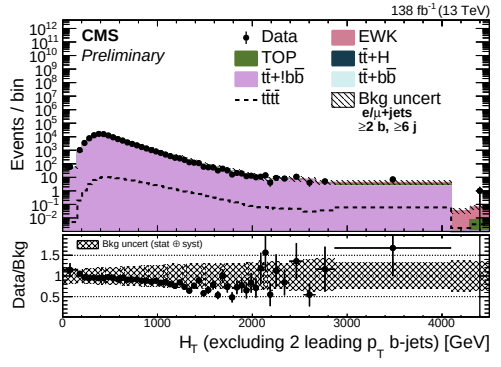

138 fb^{-1} (13 TeV)
CMS
Preliminary
Data
EWK
TOP
$t\bar{t}$+H
$t\bar{t}$+!b$\bar{b}$
$t\bar{t}$+b$\bar{b}$
$t\bar{t}t\bar{t}$
Bkg uncert
e/μ+jets
≥2 b, ≥6 j
Jets / bin
Data/Bkg
Bkg uncert (stat ⊕ syst)
$p_T(j_5)$ [GeV]

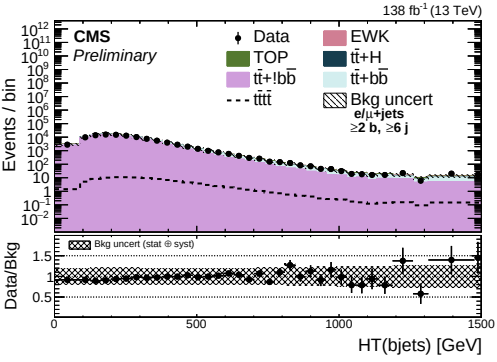

138 fb^{-1} (13 TeV)
CMS
Preliminary
Data
EWK
TOP
$t\bar{t}$+H
$t\bar{t}$+!b$\bar{b}$
$t\bar{t}$+b$\bar{b}$
$t\bar{t}t\bar{t}$
Bkg uncert
e/μ+jets
≥2 b, ≥6 j
Events / bin
Data/Bkg
Bkg uncert (stat ⊕ syst)
H_T [GeV]

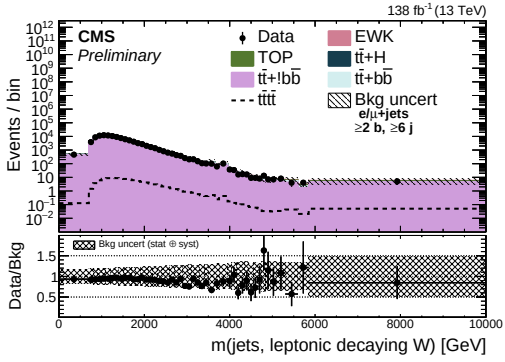

138 fb^{-1} (13 TeV)
CMS
Preliminary
Data
EWK
TOP
$t\bar{t}$+H
$t\bar{t}$+!b$\bar{b}$
$t\bar{t}$+b$\bar{b}$
$t\bar{t}t\bar{t}$
Bkg uncert
e/μ+jets
≥2 b, ≥6 j
Events / bin
Data/Bkg
Bkg uncert (stat ⊕ syst)
5th jet p_T [GeV]


138 fb^{-1} (13 TeV)
CMS
Preliminary
Data
EWK
TOP
$t\bar{t}$+H
$t\bar{t}$+!b$\bar{b}$
$t\bar{t}$+b$\bar{b}$
$t\bar{t}t\bar{t}$
Bkg uncert
e/μ+jets
≥2 b, ≥6 j
Events / bin
Data/Bkg
Bkg uncert (stat ⊕ syst)
Hemiout [GeV]


138 fb^{-1} (13 TeV)
CMS
Preliminary
Data
EWK
TOP
$t\bar{t}$+H
$t\bar{t}$+!b$\bar{b}$
$t\bar{t}$+b$\bar{b}$
$t\bar{t}t\bar{t}$
Bkg uncert
e/μ+jets
≥2 b, ≥6 j
Events / bin
Data/Bkg
Bkg uncert (stat ⊕ syst)
Third leading resolved t-tag discriminator


138 fb^{-1} (13 TeV)
CMS
Preliminary
Data
EWK
TOP
$t\bar{t}$+H
$t\bar{t}$+!b$\bar{b}$
$t\bar{t}$+b$\bar{b}$
$t\bar{t}t\bar{t}$
Bkg uncert
e/μ+jets
≥2 b, ≥6 j
Events / bin
Data/Bkg
Bkg uncert (stat ⊕ syst)
H_T (excluding 2 leading p_T b-jets) [GeV]


138 fb^{-1} (13 TeV)
CMS
Preliminary
Data
EWK
TOP
$t\bar{t}$+H
$t\bar{t}$+!b$\bar{b}$
$t\bar{t}$+b$\bar{b}$
$t\bar{t}t\bar{t}$
Bkg uncert
e/μ+jets
≥2 b, ≥6 j
Events / bin
Data/Bkg
Bkg uncert (stat ⊕ syst)
HT(bjets) [GeV]


138 fb^{-1} (13 TeV)
CMS
Preliminary
Data
EWK
TOP
$t\bar{t}$+H
$t\bar{t}$+!b$\bar{b}$
$t\bar{t}$+b$\bar{b}$
$t\bar{t}t\bar{t}$
Bkg uncert
e/μ+jets
≥2 b, ≥6 j
Events / bin
Data/Bkg
Bkg uncert (stat ⊕ syst)
m(jets, leptonic decaying W) [GeV]