

8.22-8.28工作汇报

- Signal/Bkg图和绘制
- ZN图绘制

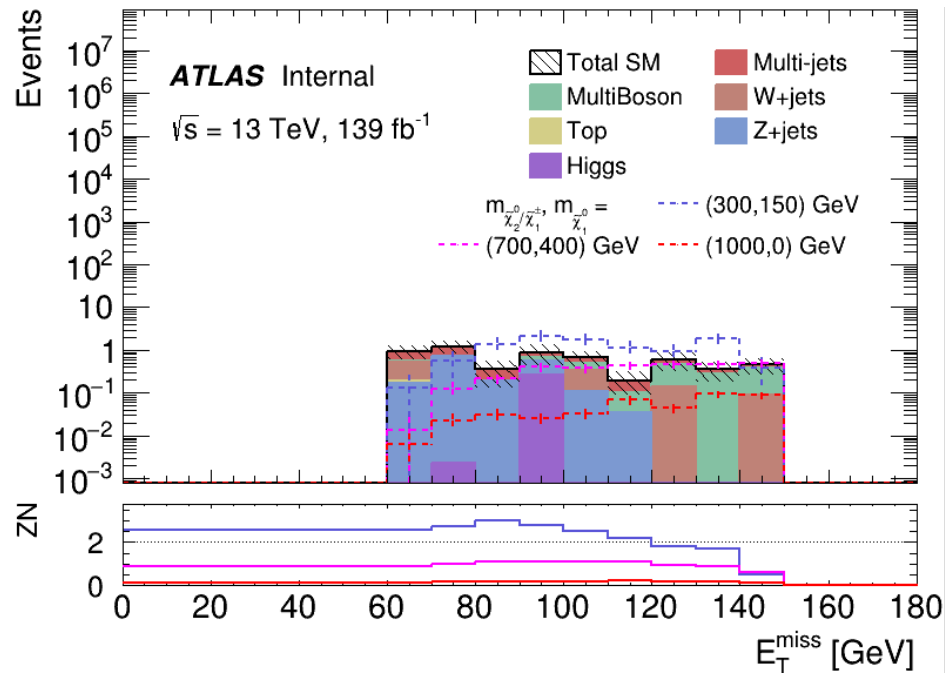
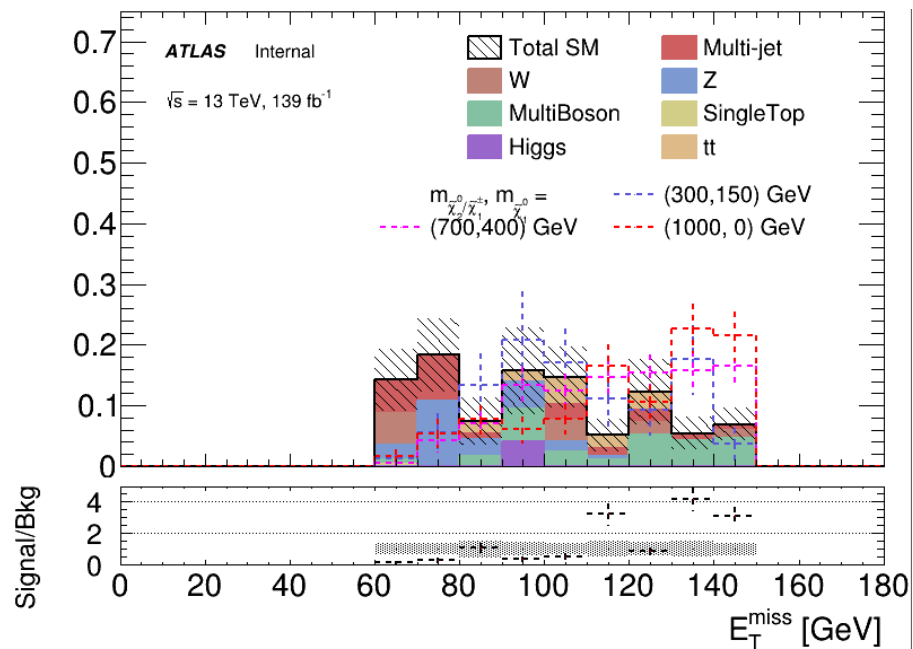
潘超钰 8.29

• cut

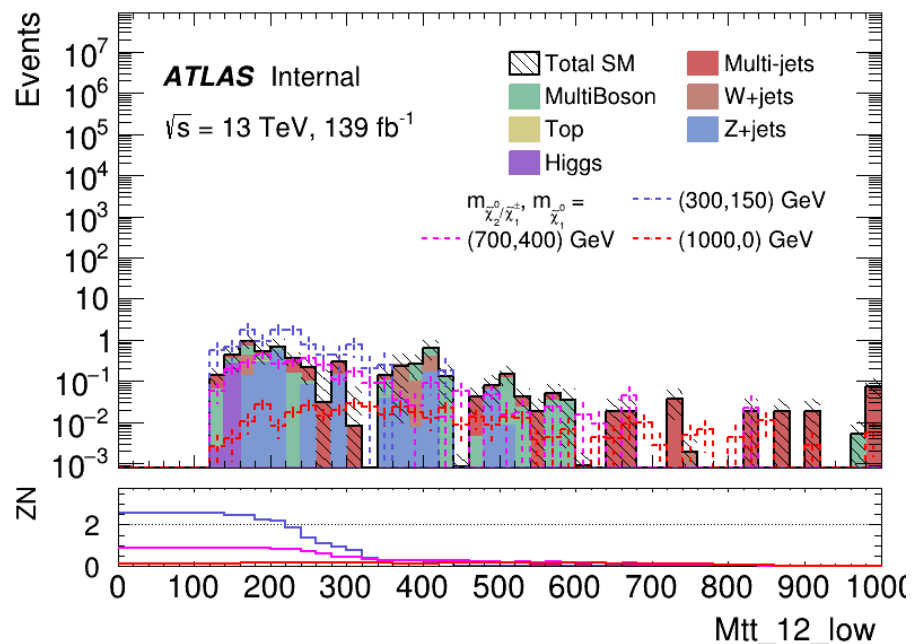
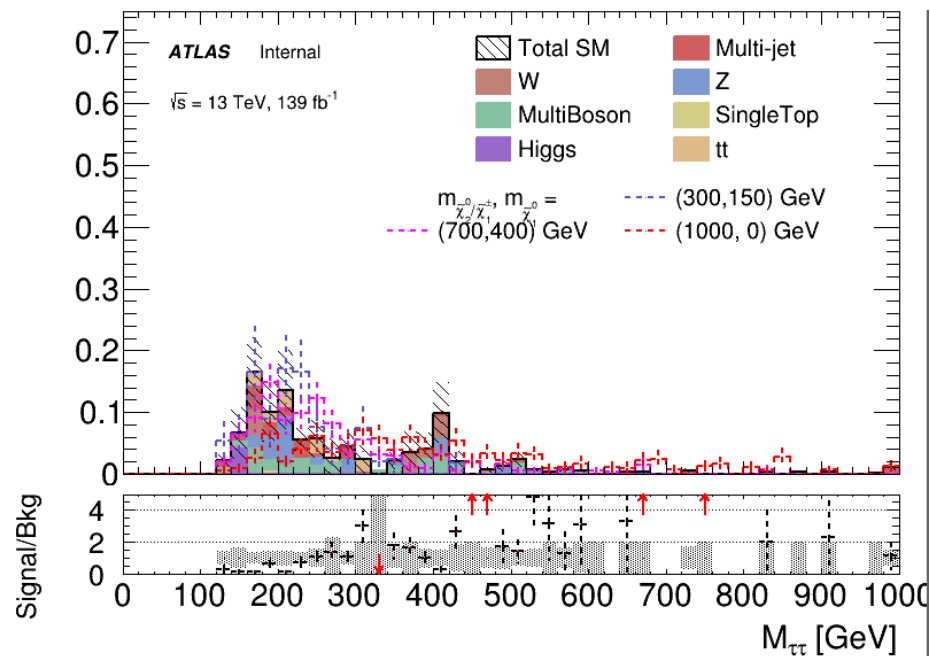
数

```
auto mCutflow_low = addCutflow();
mCutflow_low->setWeight([&]{return Var["totalWeight"];});
mCutflow_low->setFillTree(oTree);
mCutflow_low->registerCut("baseline", [&] {return fabs(Var["totalWeight"]) < 1000 ; }); //统计没有经过任何cut时的事例数
mCutflow_low->registerCut("==2 tau", [&] {return n_BaseTau == 2; } );
mCutflow_low->registerCut(">= 2 medium tau", [&] {return nTaus >= 2 && nTightTau >=1; });
mCutflow_low->registerCut("OS", [&] {return OS2Tau; });
mCutflow_low->registerCut("MET<150 GeV", [&] {return Var["MET"] < 150; } );
mCutflow_low->registerCut("z/hVeto(120Gev)", [&] {return Var["Mtt_12"] > 120; } );
mCutflow_low->registerCut("bVeto", [&] {return Var["bVeto"];}, "bTag", 2, 0, 2, [&]{return Var["bNumber"];});
mCutflow_low->registerCut("dPhitt>1.6", [&] {return Var["dPhitt"] > 1.6; }, "dPhitt", 15, 0, 3, [&] {return Var["dPhitt"]
};}, Hist::USE_OVERFLOW);
mCutflow_low->registerCut("MET>60 GeV", [&] {return Var["MET"] > 60 && Var["MET"] < 150; }, "MET", 15, 0, 150, [&] {return
n Var["MET"];}, Hist::USE_OVERFLOW);
mCutflow_low->registerCut("MT2>80 GeV", [&] {return Var["MT2"] > 80; }, "MT2", 12, 30, 150, [&] {return Var["MT2"];}, Hi
st::USE_OVERFLOW);
```

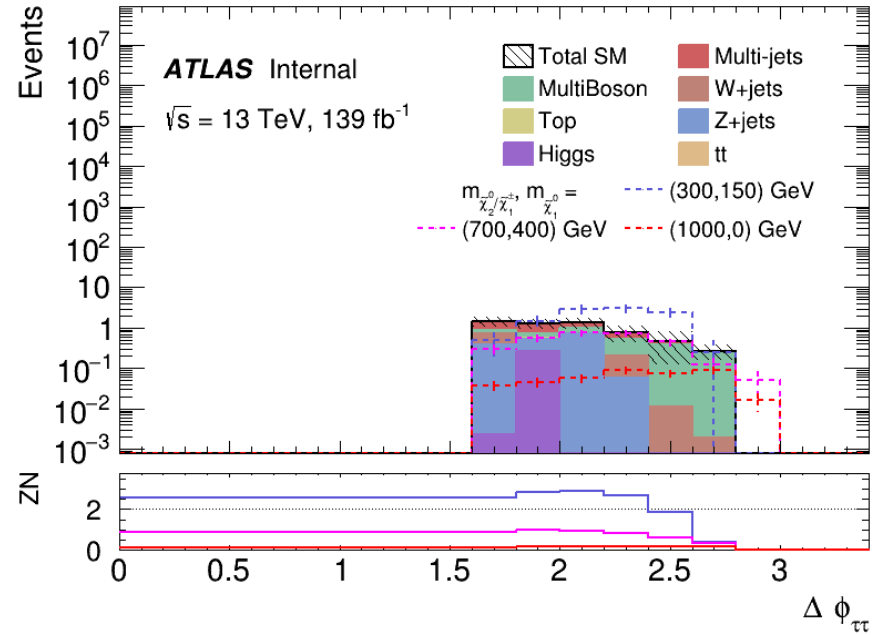
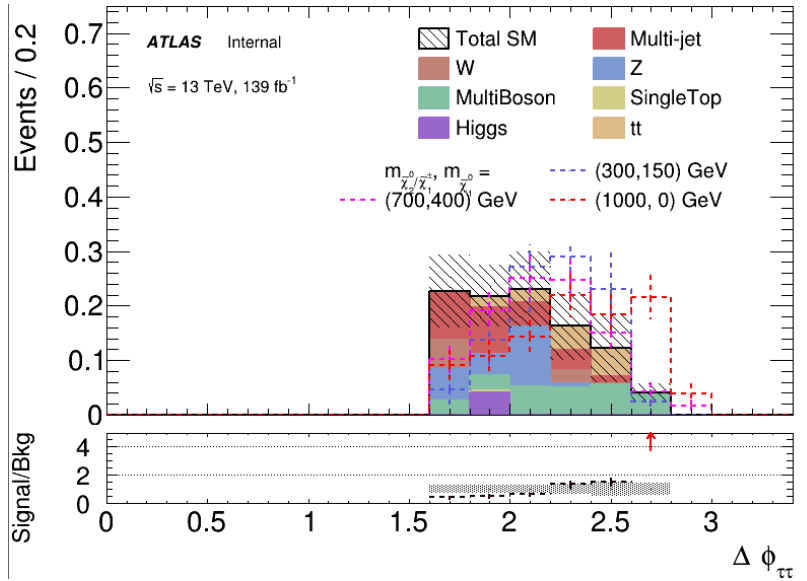
- MET<150GeV



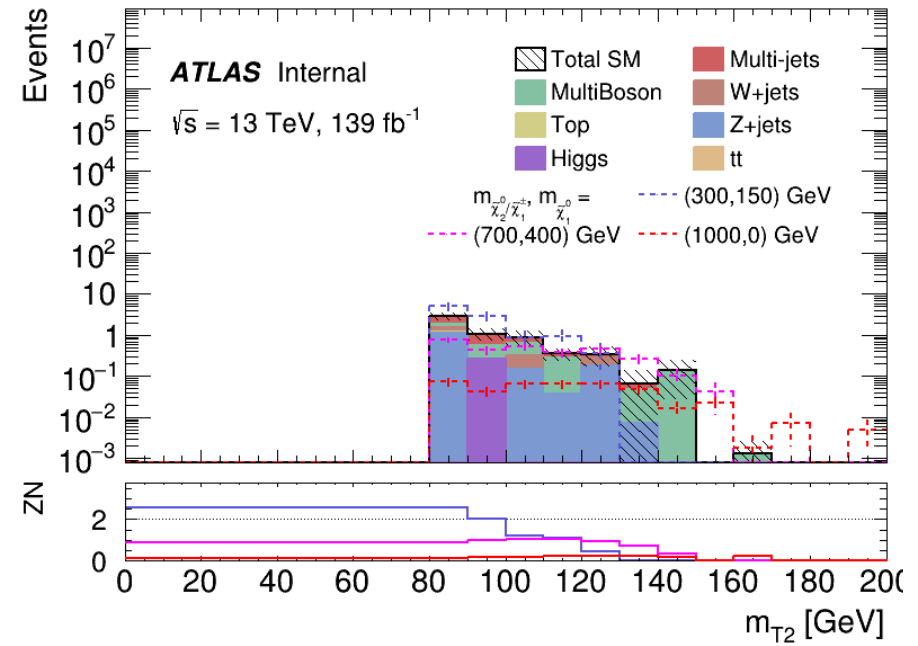
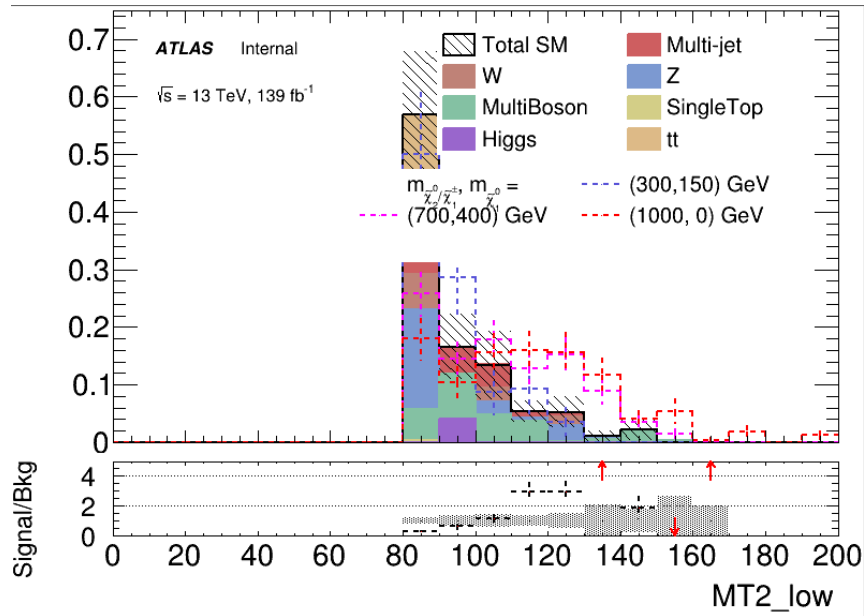
- $M_{tt_12} > 120$



- DPhitt > 1.6



- $MT_2 > 80$



Thanks!