Weekly meeting

Chengxin Liao

liaocx@ihep.ac.cn

Wed, Nov 20, 2024

Pre-selection

Selection

- lep-had channel:nTaus$\geq$1;nLeps$\geq$1
- had-had channel:nTaus$\geq$2;nLeps=0
- MET$\geq$ 200; pass MET trigger
- $1 \leq nBaseJet \leq 8$
- b-veto
- OS

Both data and bkg are sourced from run2(1516, 17, 18).

Chengxin Liao

IHEP SUSY Meeting
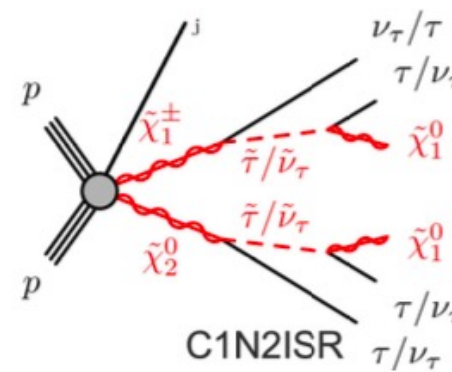
CutCount result

Highlight line is the var combination I choose

Pt_lep <= 32

Pt_tau <= 48

METsig >= 16

Mll <= 60

20 <= Mt_tau <= 48

MT2_50 <= 60

0.2 <= dPhit1x <= 1.2

Chengxin Liao
IHEP SUSY Meeting
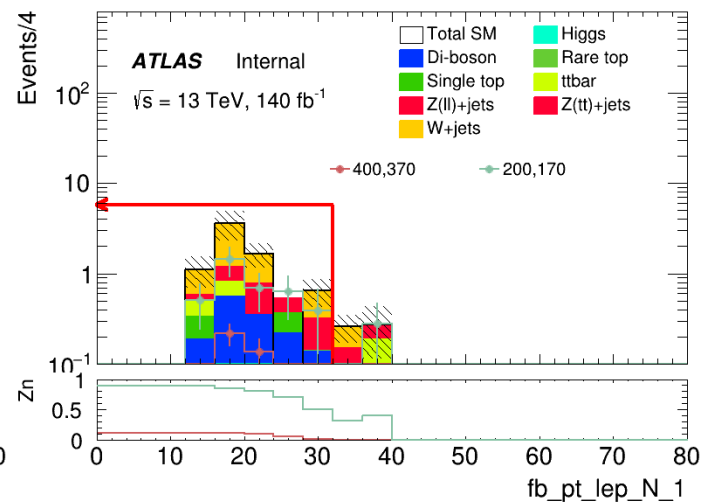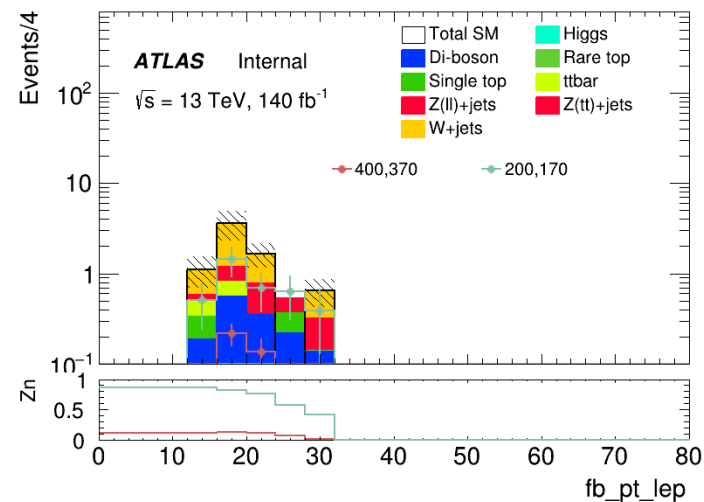
Pt_lep <= 32
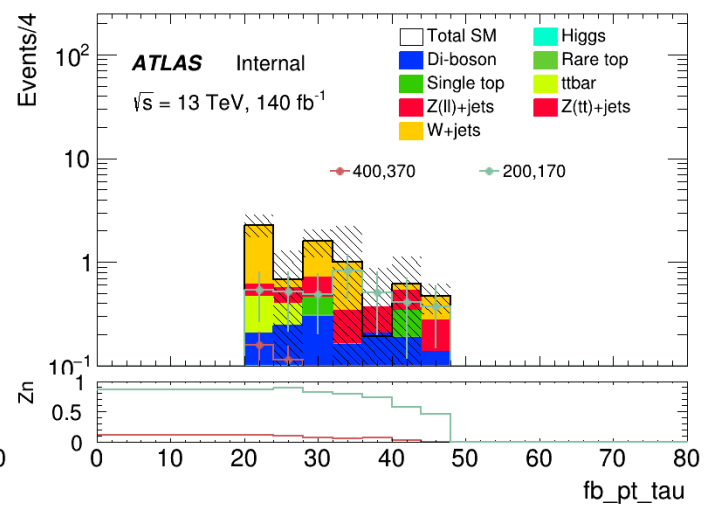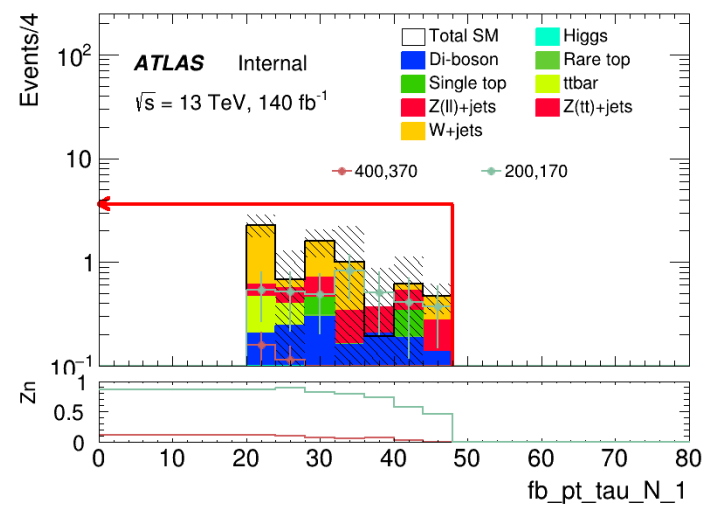
Pt_tau <= 48

CutCount: HH

METsig >= 16

Pt_tau <= 60

Chengxin Liao

IHEP SUSY Meeting
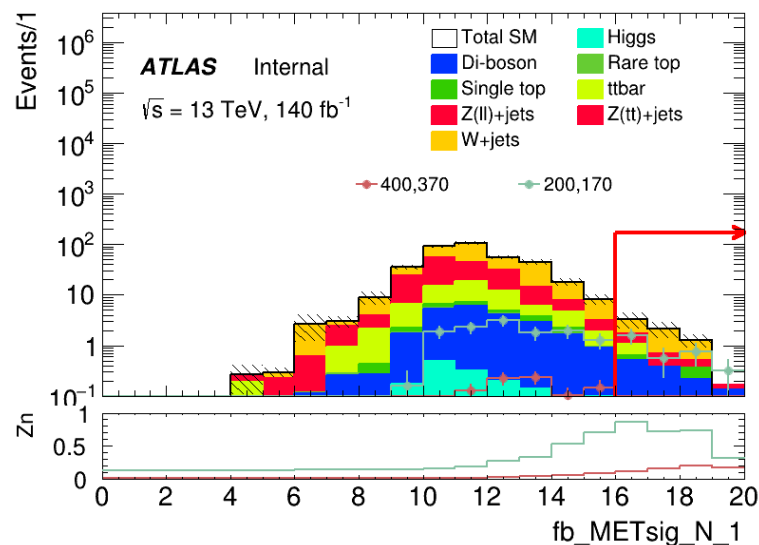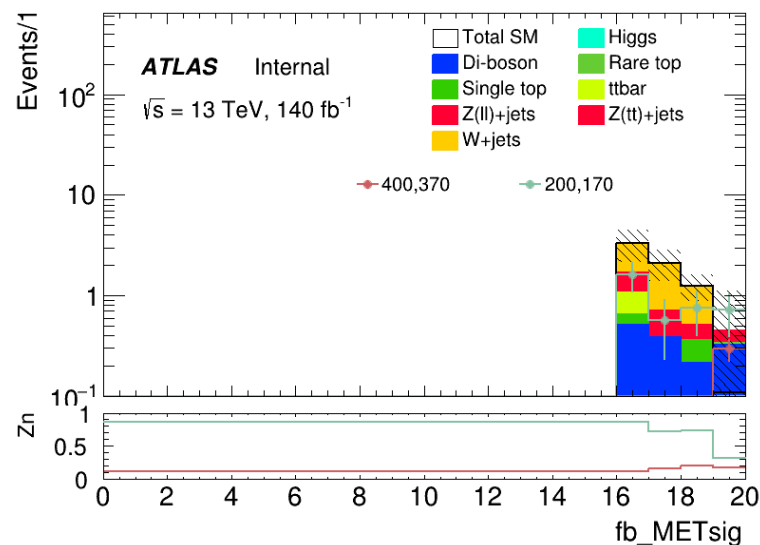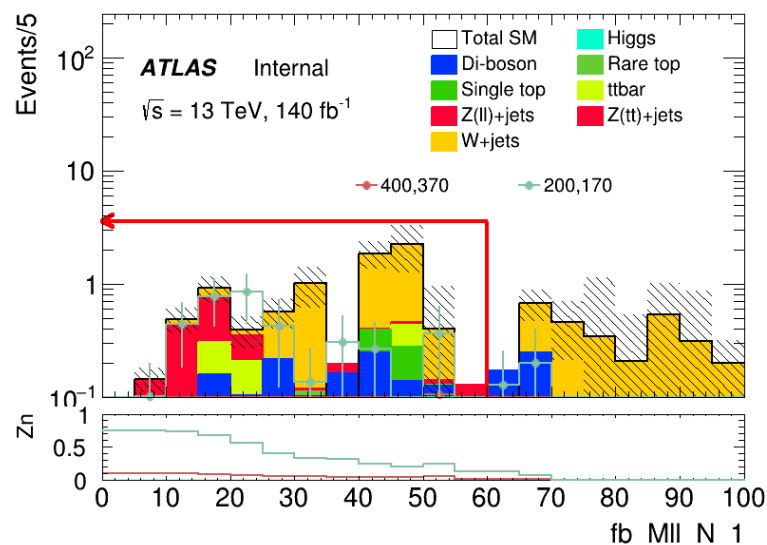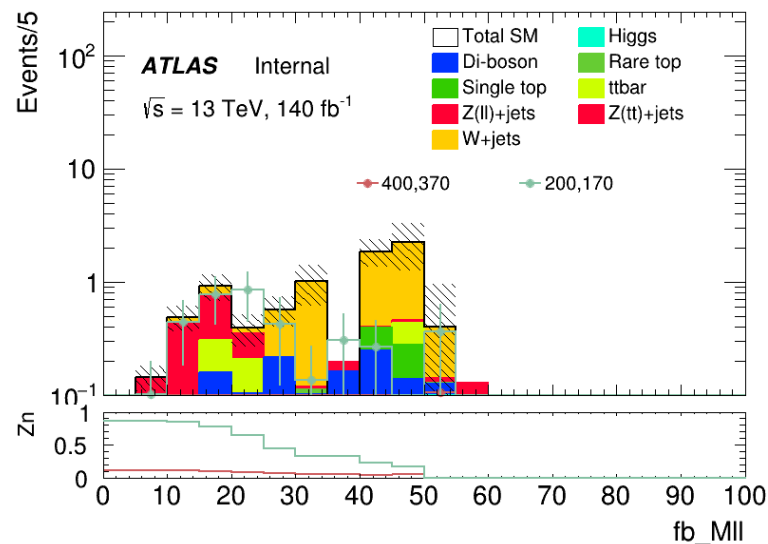
CutCount: HH
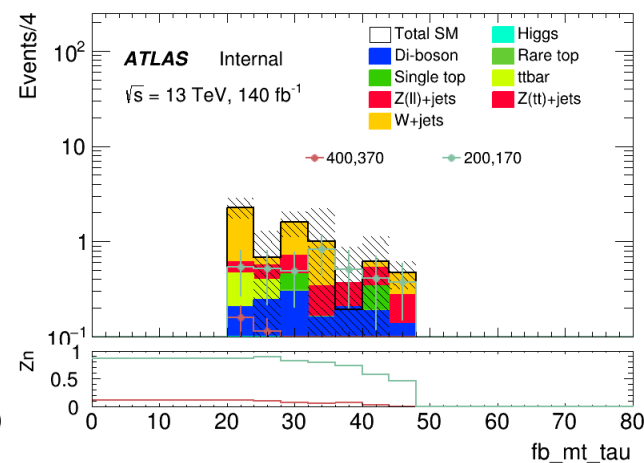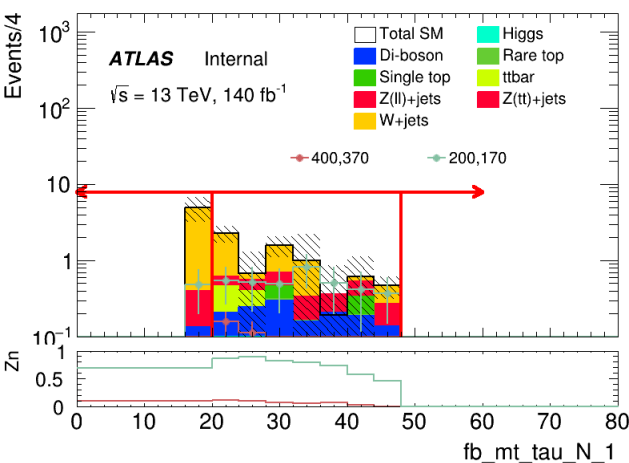
20 <= Mt_tau >= 50
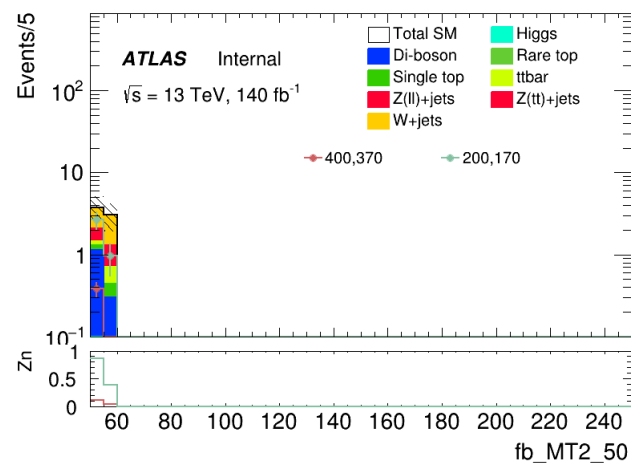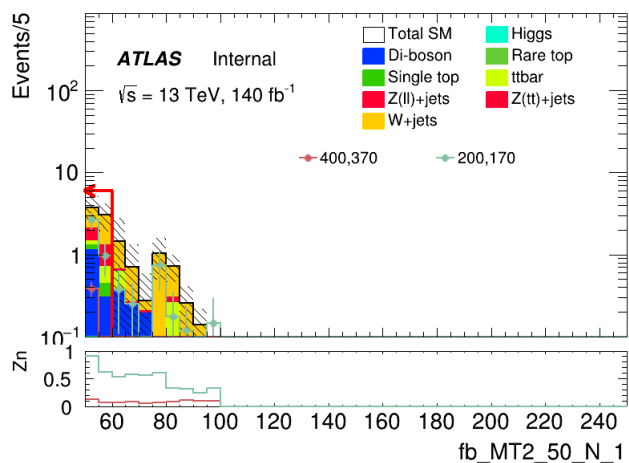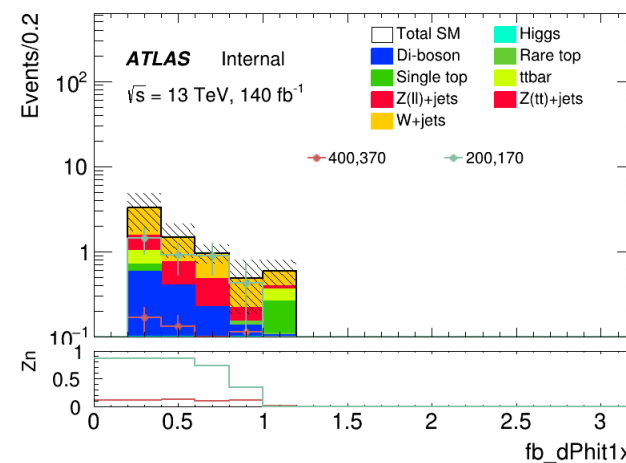
MT2_50 <= 60
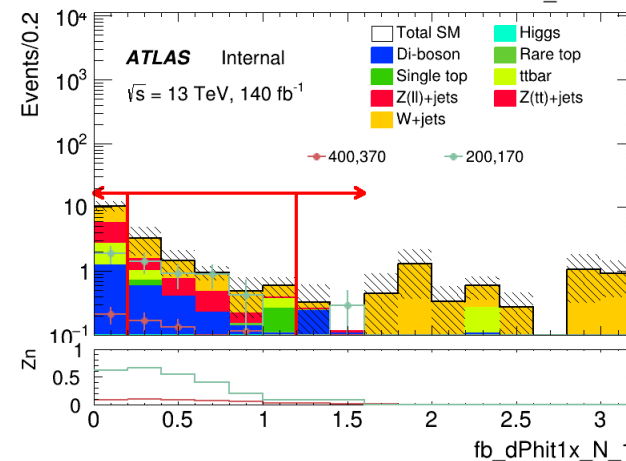
0.2 <= dPhit1x <= 1.2

t1x: Tau1 & MET