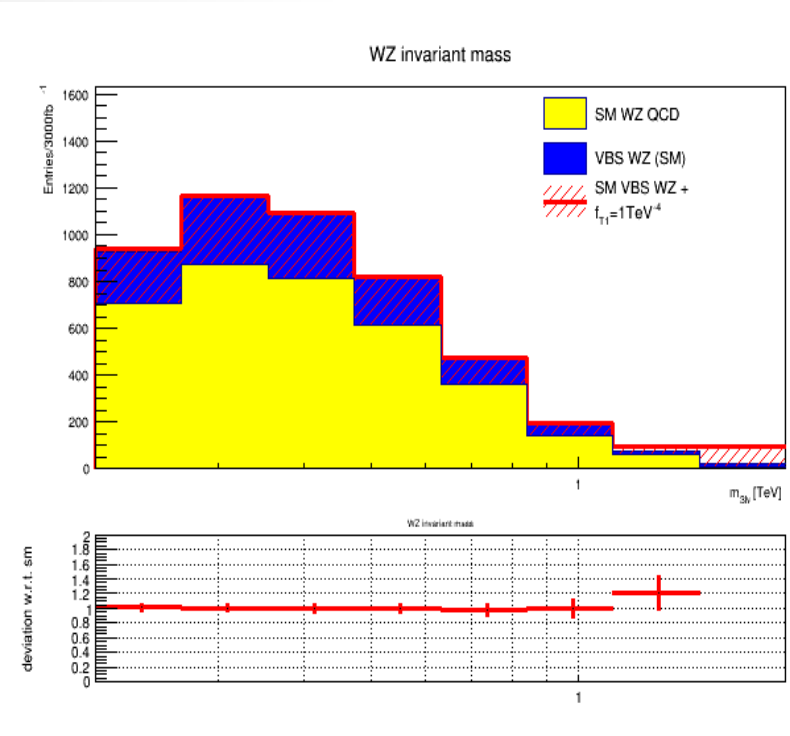
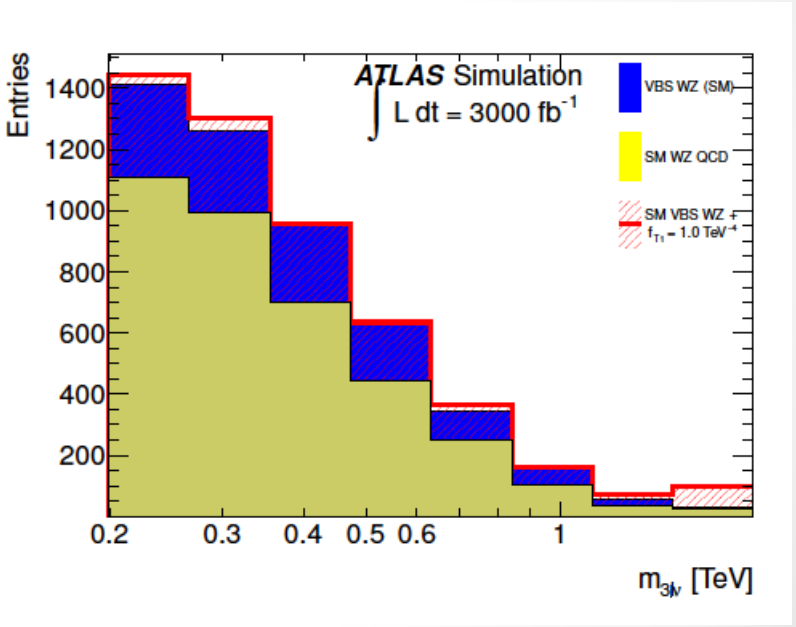
14TeV WZjj 3ab^{-1} results w/ FT1=1TeV^{-4}

Underflow and overflow bins are both accounted

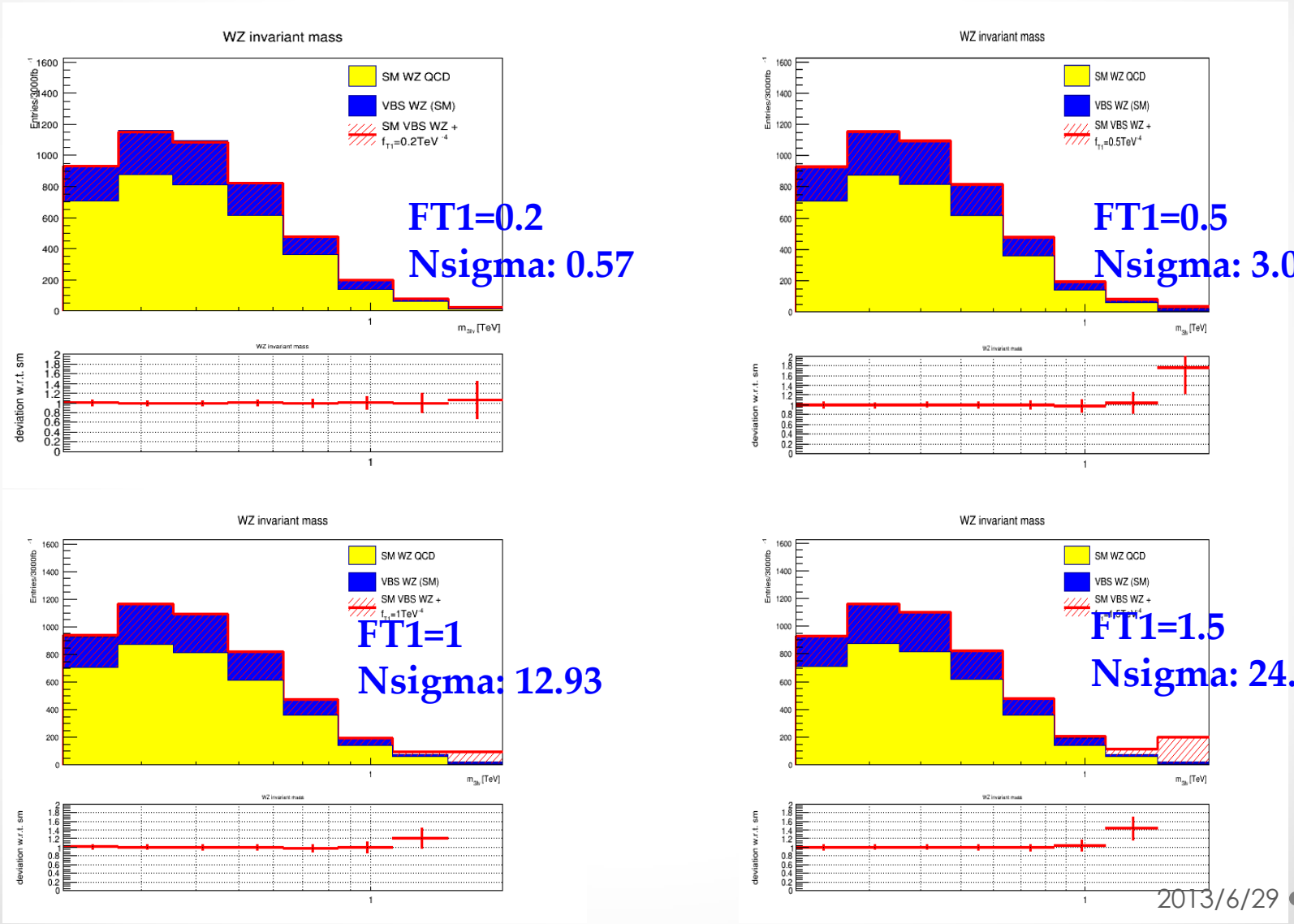




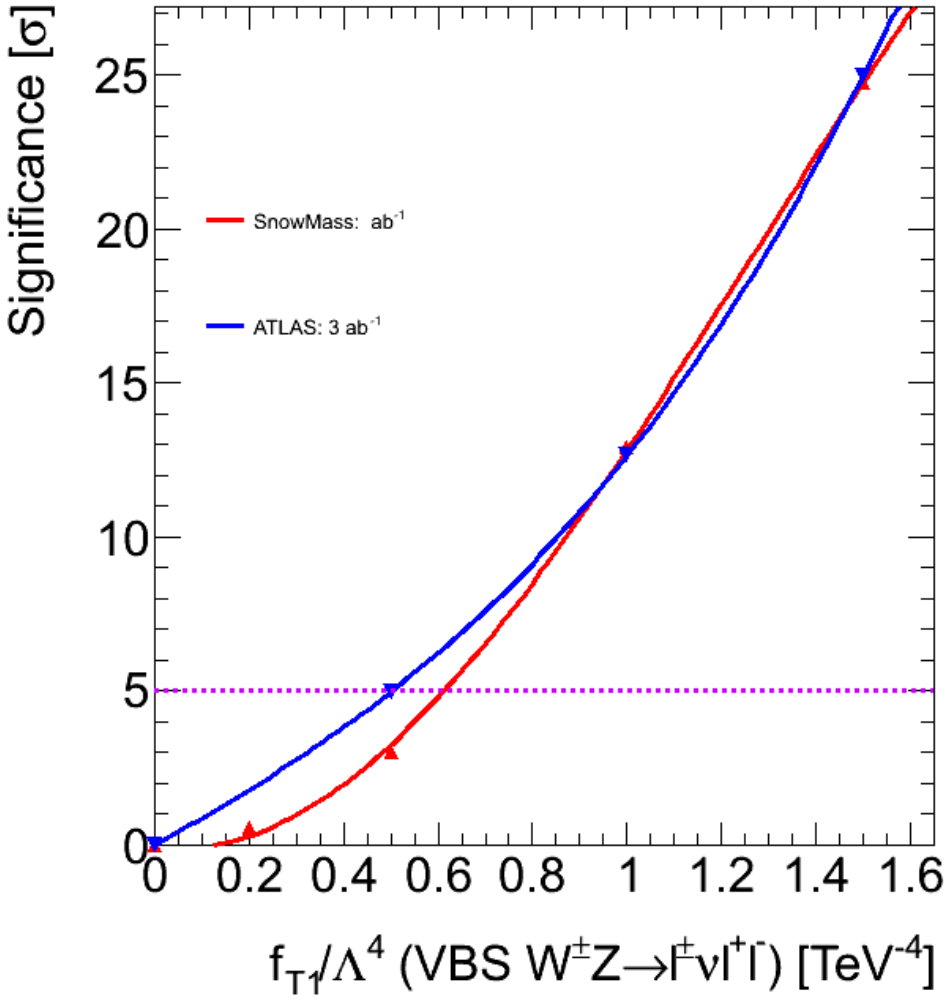
SnowMass Delphes (NSigma: 12.93)

ATLAS param sim (NSigma: 12.84)

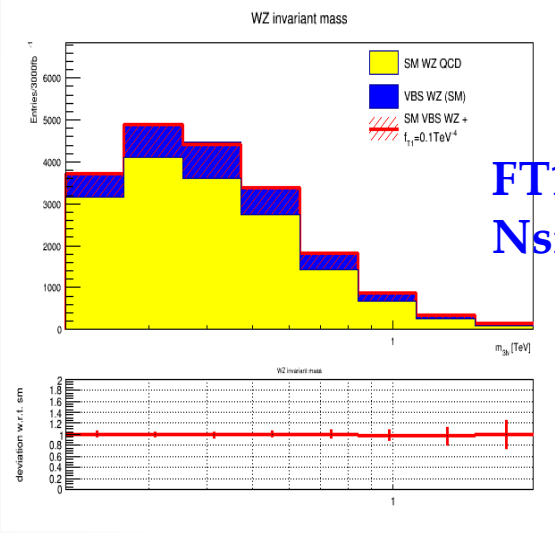
More 14TeV FT1 operating points



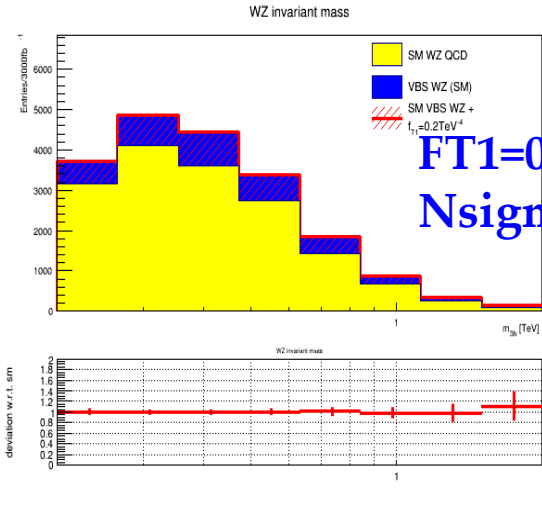
14TeV WZjj: 3 ab^{-1} comparison between Delphes and ATLAS



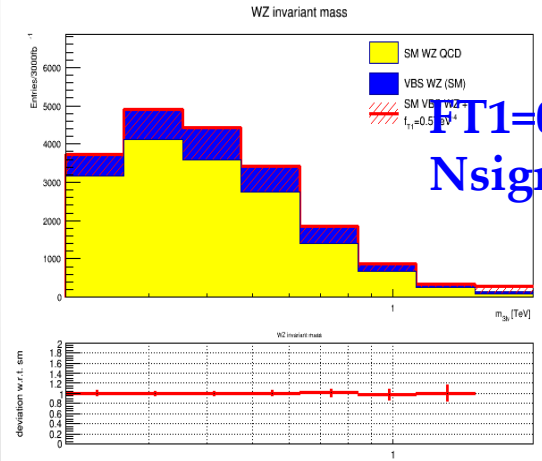
33TeV WZjj 3ab^{-1} results w/ dim8 operator FT1 (TeV^{-4})



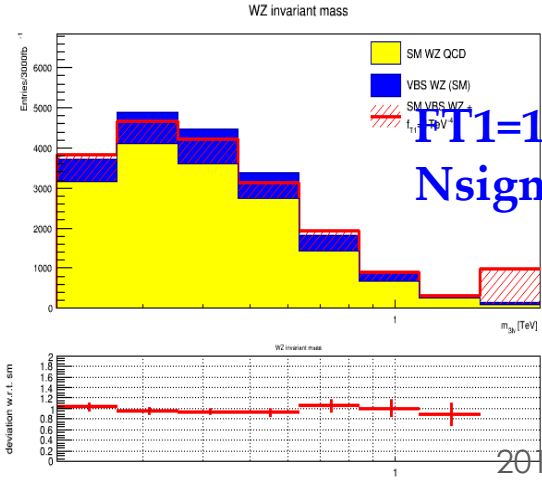
FT1=0.1
Nsigma: 1.10



FT1=0.2
Nsigma: 1.61



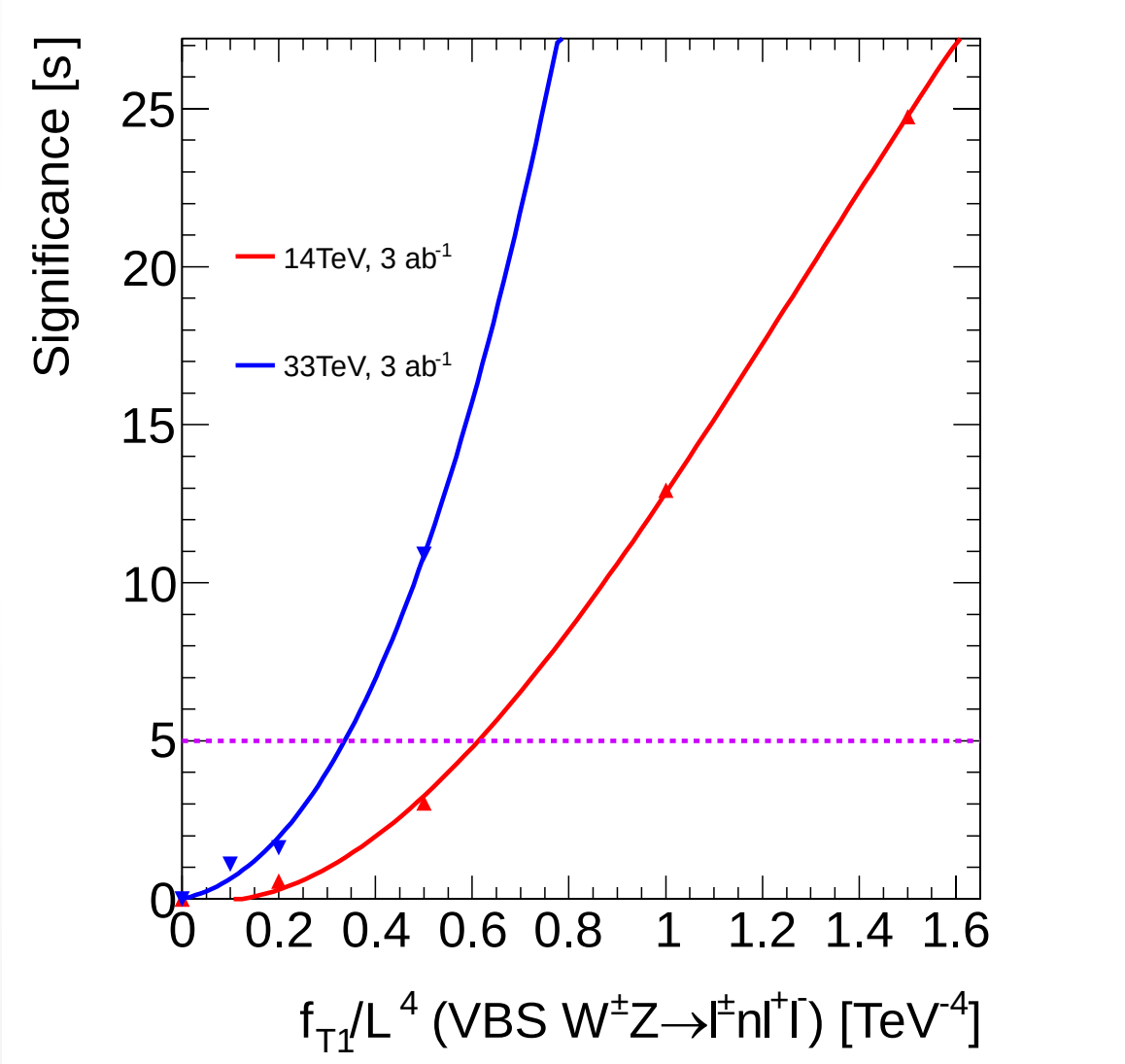
FT1=0.5
Nsigma: 10.90



FT1=1
Nsigma: 47.37

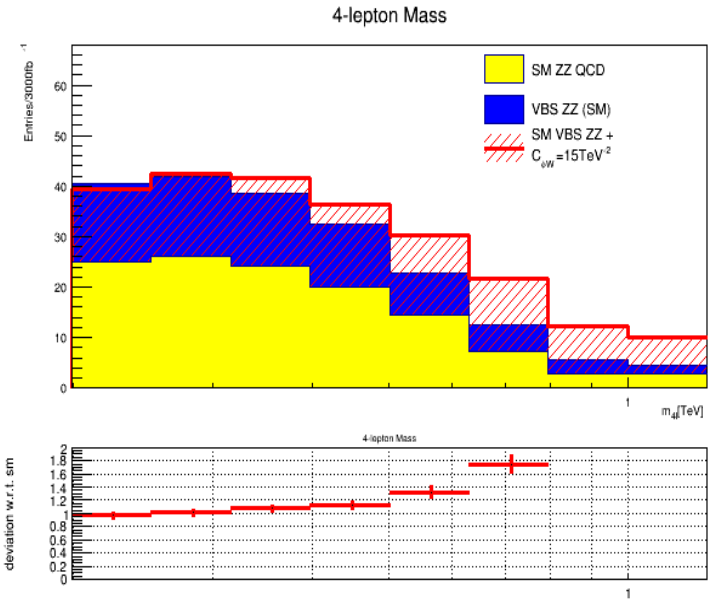
WZjj: 3 ab^{-1} comparison between

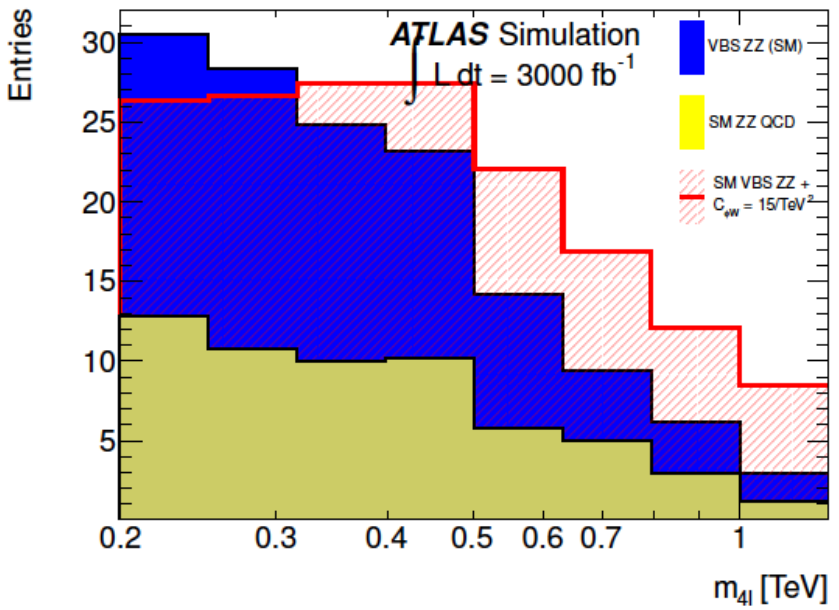
14TeV and 33TeV w/ Delphes SnowMass FastSim



14TeV ZZjj 3 ab^{-1} results w/ CphiWL2=15TeV^{-2}

Underflow and overflow bins are both accounted

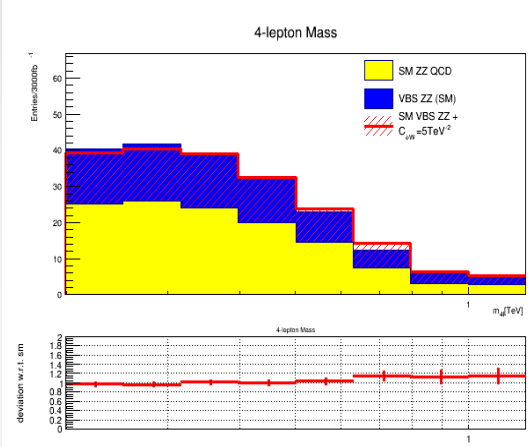




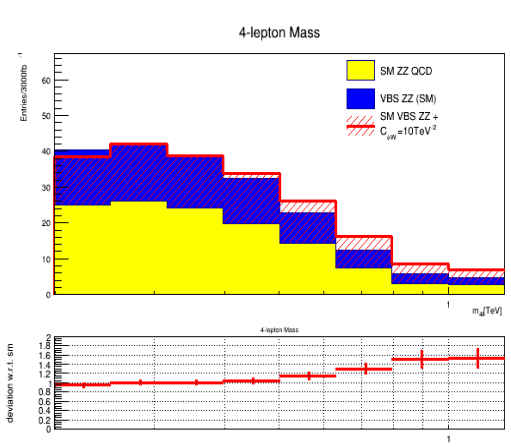
SnowMass Delphes (NSigma: 4.36)

ATLAS param sim (NSigma: 6.86)

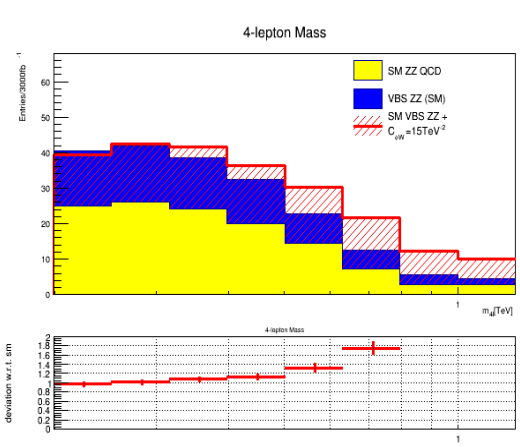
More 14TeV CphiWL2 operating points



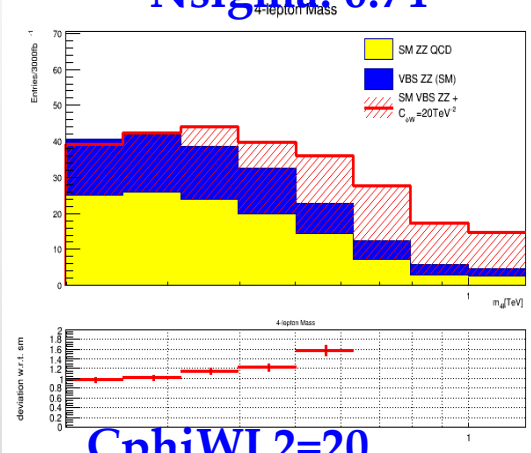
CphiWL2=5
Nsigma: 0.74



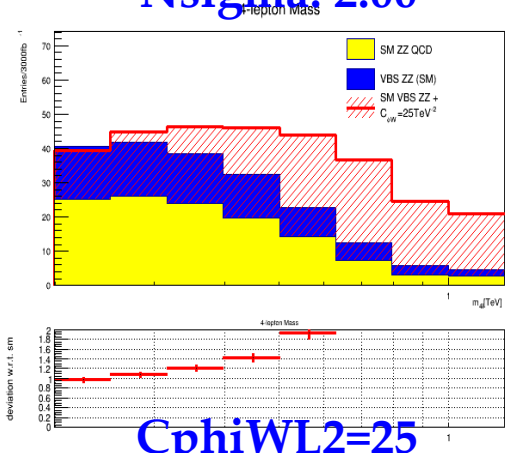
CphiWL2=10
Nsigma: 2.00



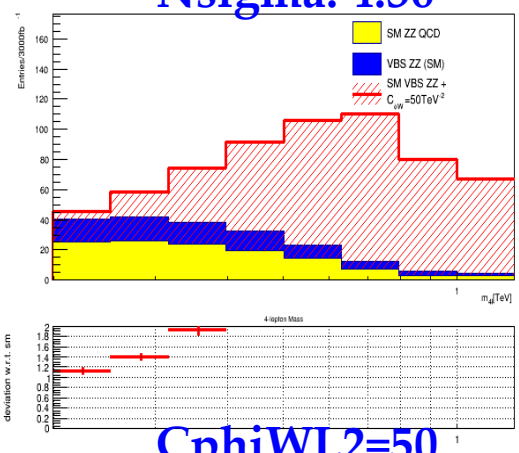
CphiWL2=15
Nsigma: 4.36



CphiWL2=20
Nsigma: 7.23

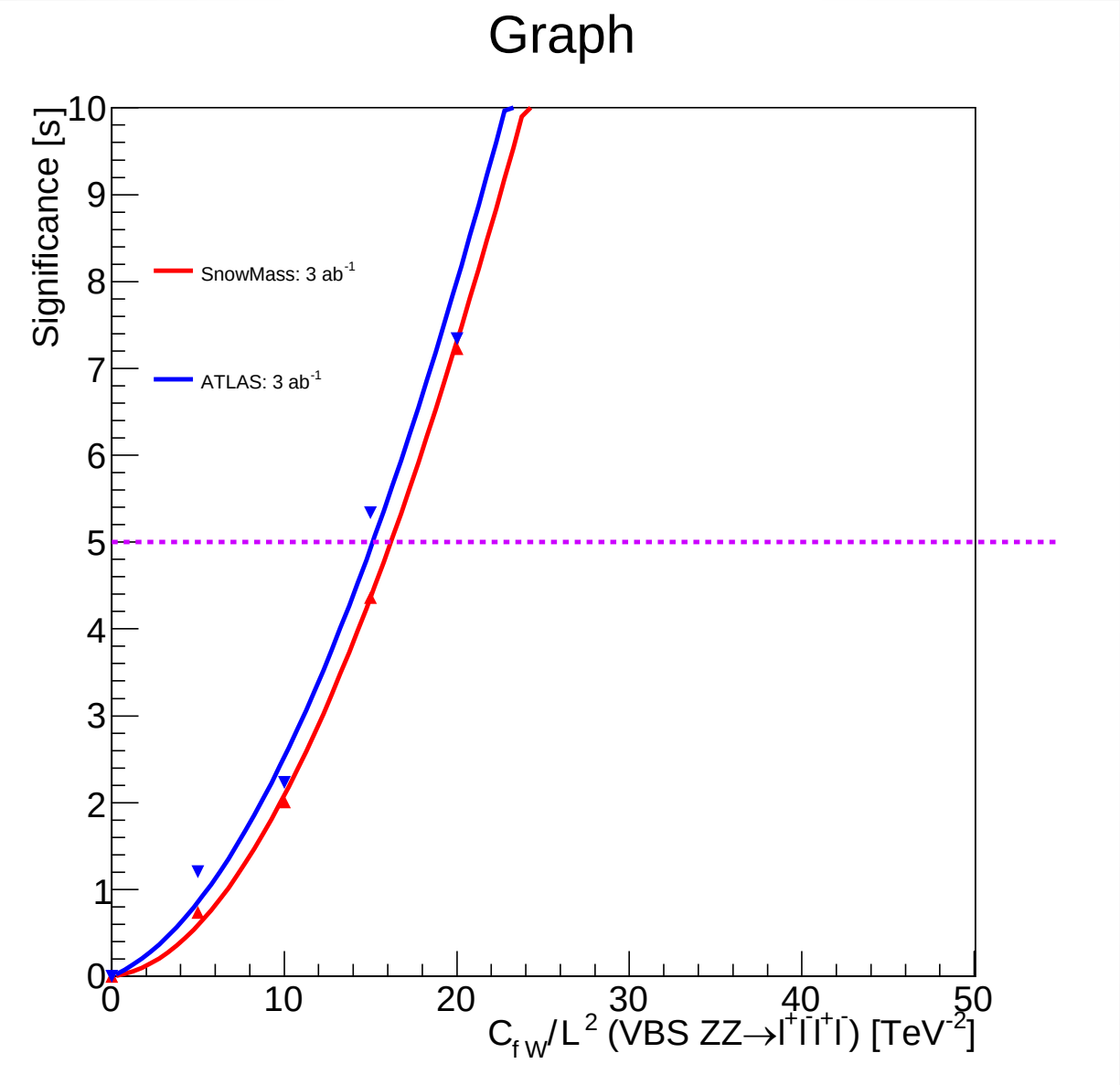


CphiWL2=25
Nsigma: 10.87

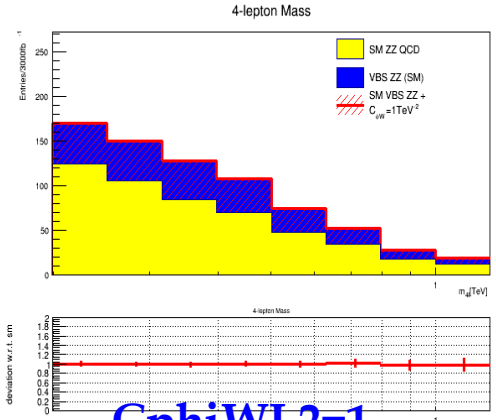


CphiWL2=50
Nsigma: 32.51

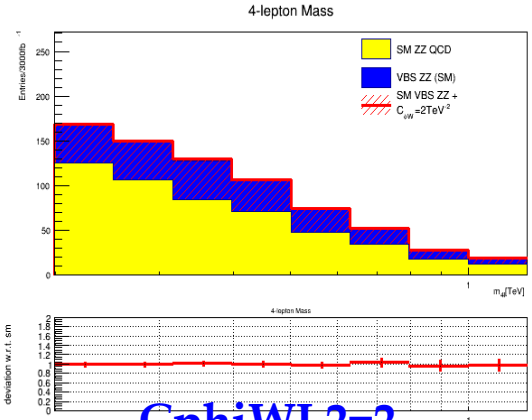
14TeV ZZjj: 3 ab^{-1} comparison between Delphes and ATLAS



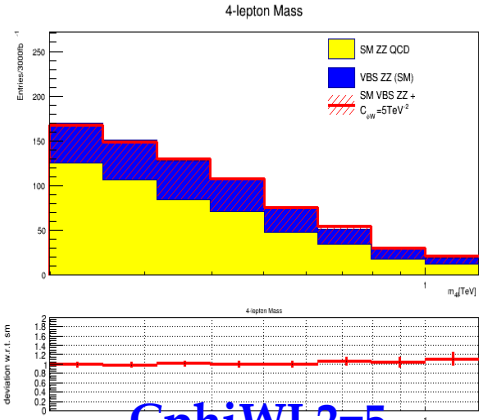
33TeV ZZjj 3ab^{-1} results w/ dim6 operator CphiWL2 (TeV^{-2})



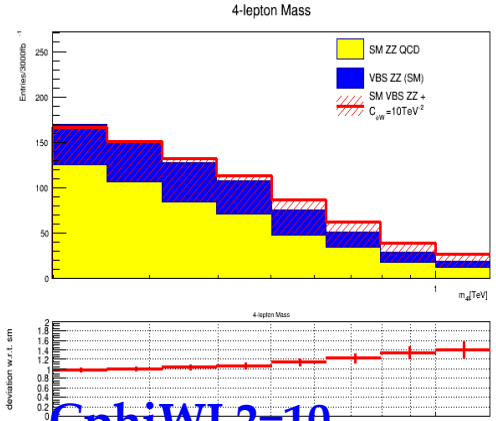
CphiWL2=1
Nsigma: 0.26



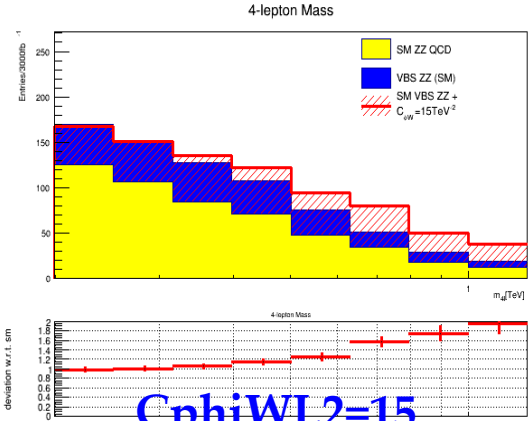
CphiWL2=2
Nsigma: 0.42



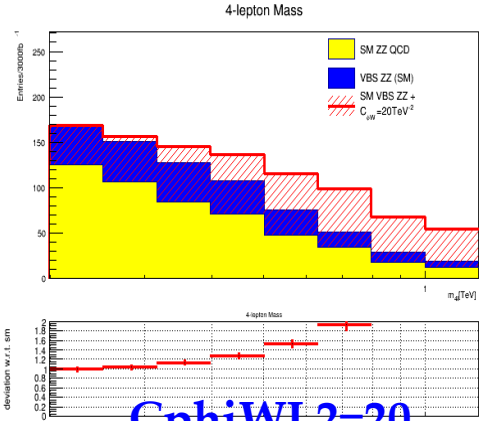
CphiWL2=5
Nsigma: 0.71



CphiWL2=10
Nsigma: 3.21



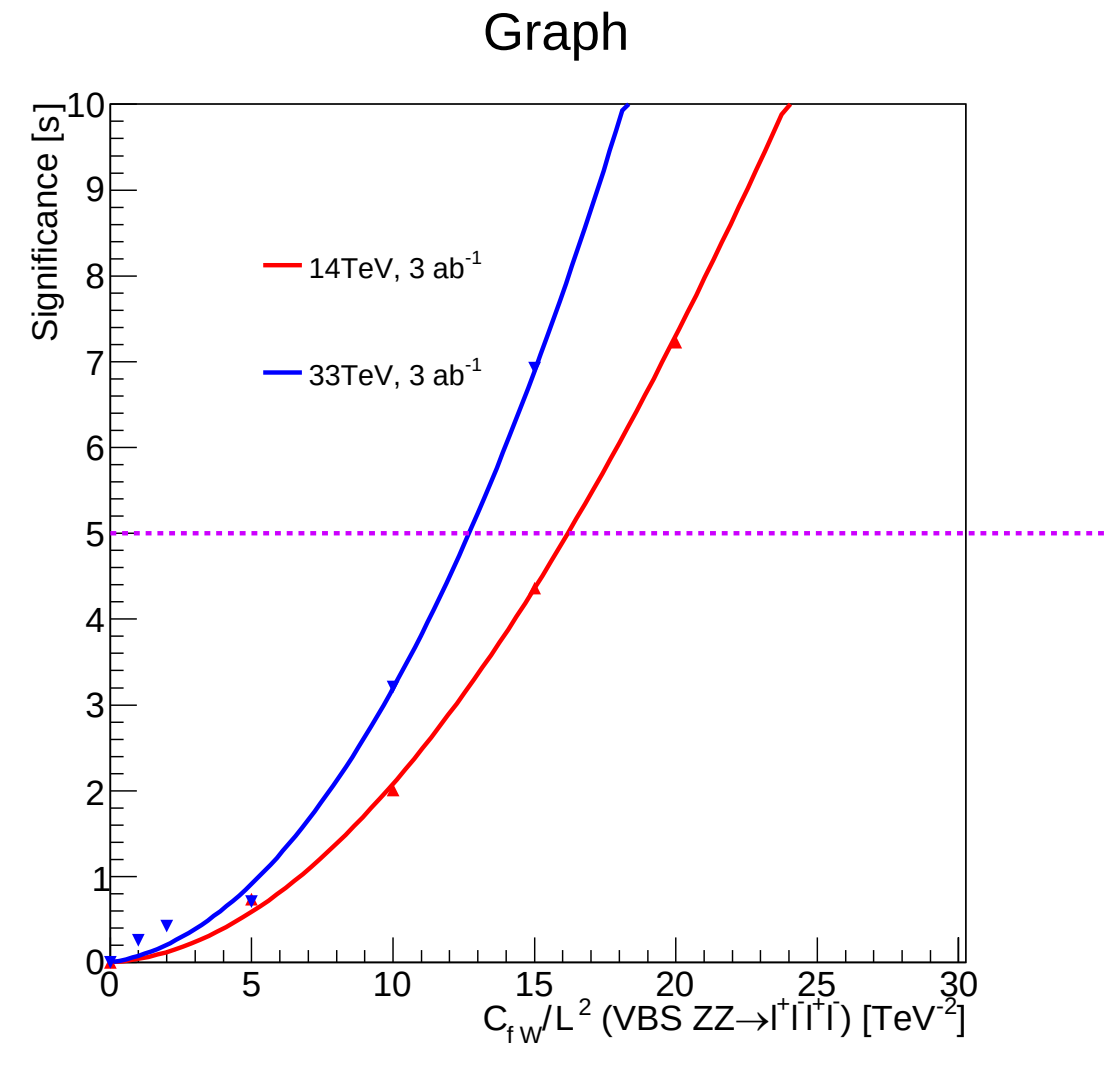
CphiWL2=15
Nsigma: 6.93



CphiWL2=20
Nsigma: 12.04

ZZjj: 3 ab^{-1} comparison between

14TeV and 33TeV w/ Delphes SnowMass FastSim

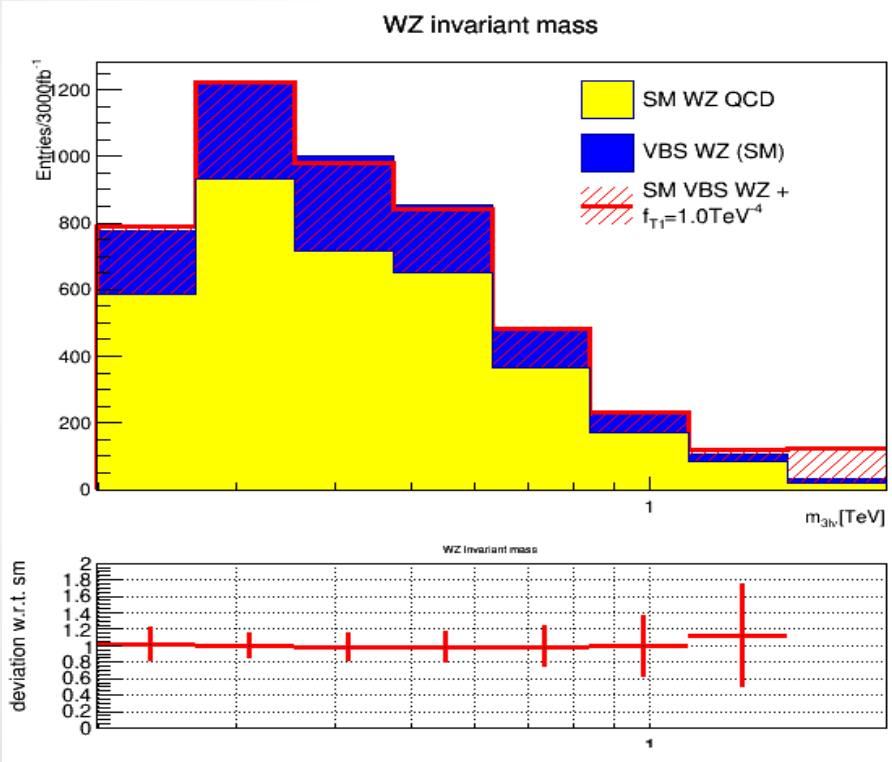


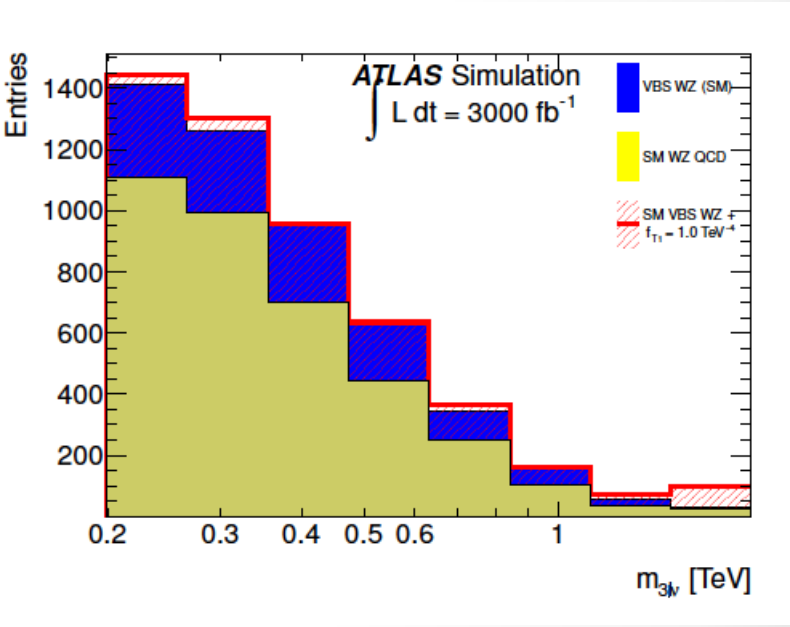
Backup for old plots

- First bins didn't account for underflows

WZjj results w/ FT1=1TeV^{-4}

Same offline cuts. (lepton, jet, m(jj)…)
But trigger configurations might be different???

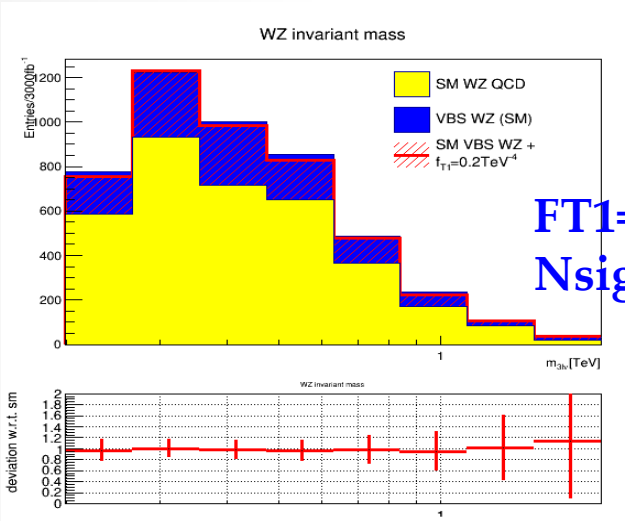




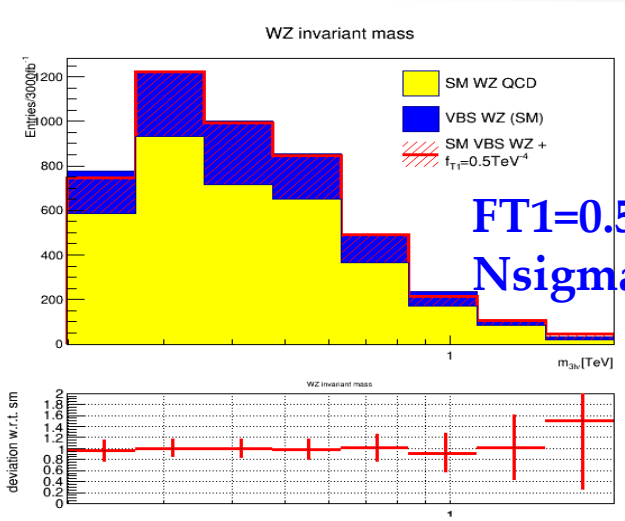
SnowMass Delphes
(NSigma: 12.4496)

ATLAS param sim
(NSigma: 12.8423)

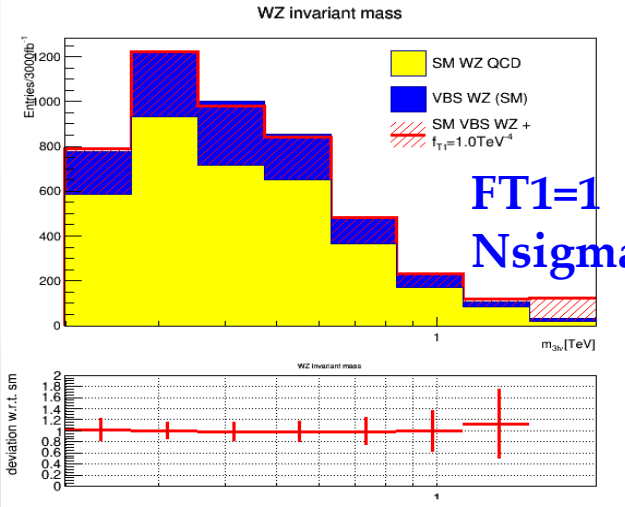
More FT1 operating points



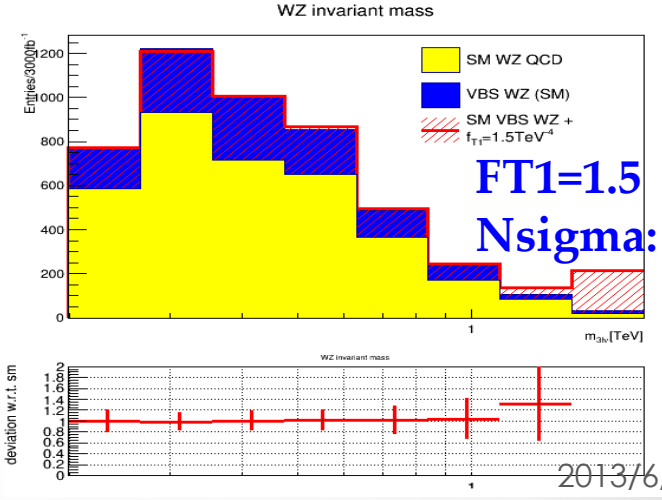
FT1=0.2
Nsigma: 1.76715



FT1=0.5
Nsigma: 3.16253

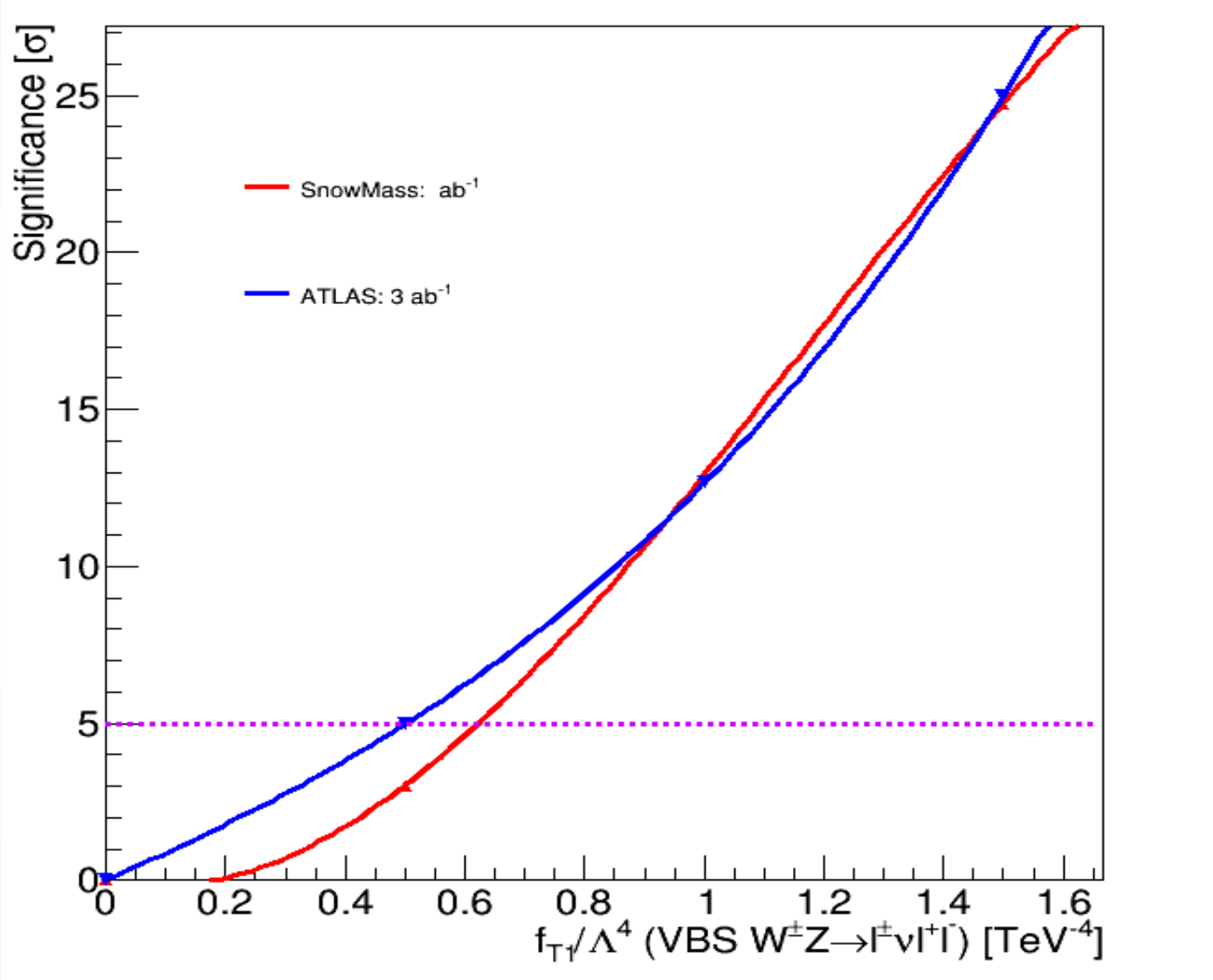


FT1=1
Nsigma: 12.4496



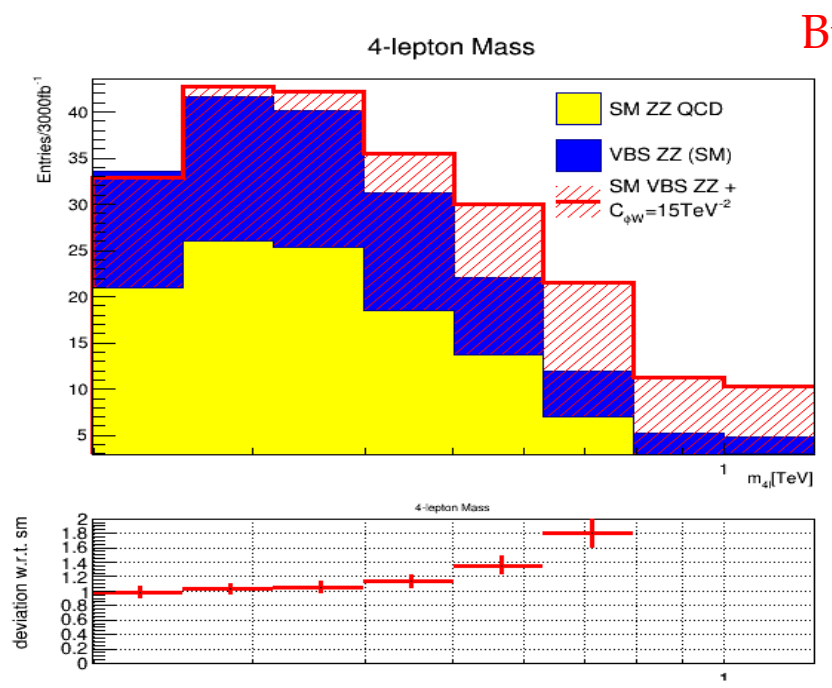
FT1=1.5
Nsigma: 21.5448

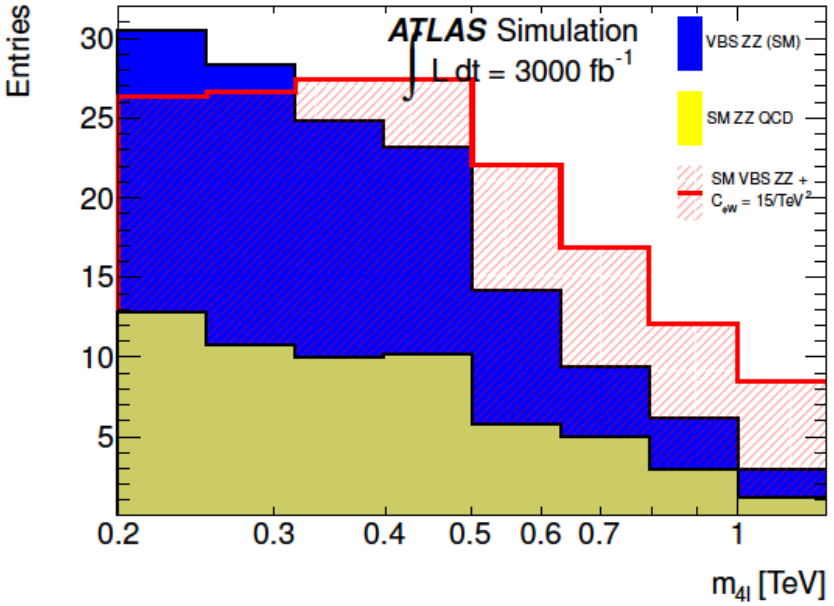
WZjj: 3000 fb^{-1} comparison between Delphes and ATLAS



ZZjj results w/ CphiW=15TeV^{-2}

Same offline cuts. (lepton, jet, m(jj)…)
But trigger configurations might be different???

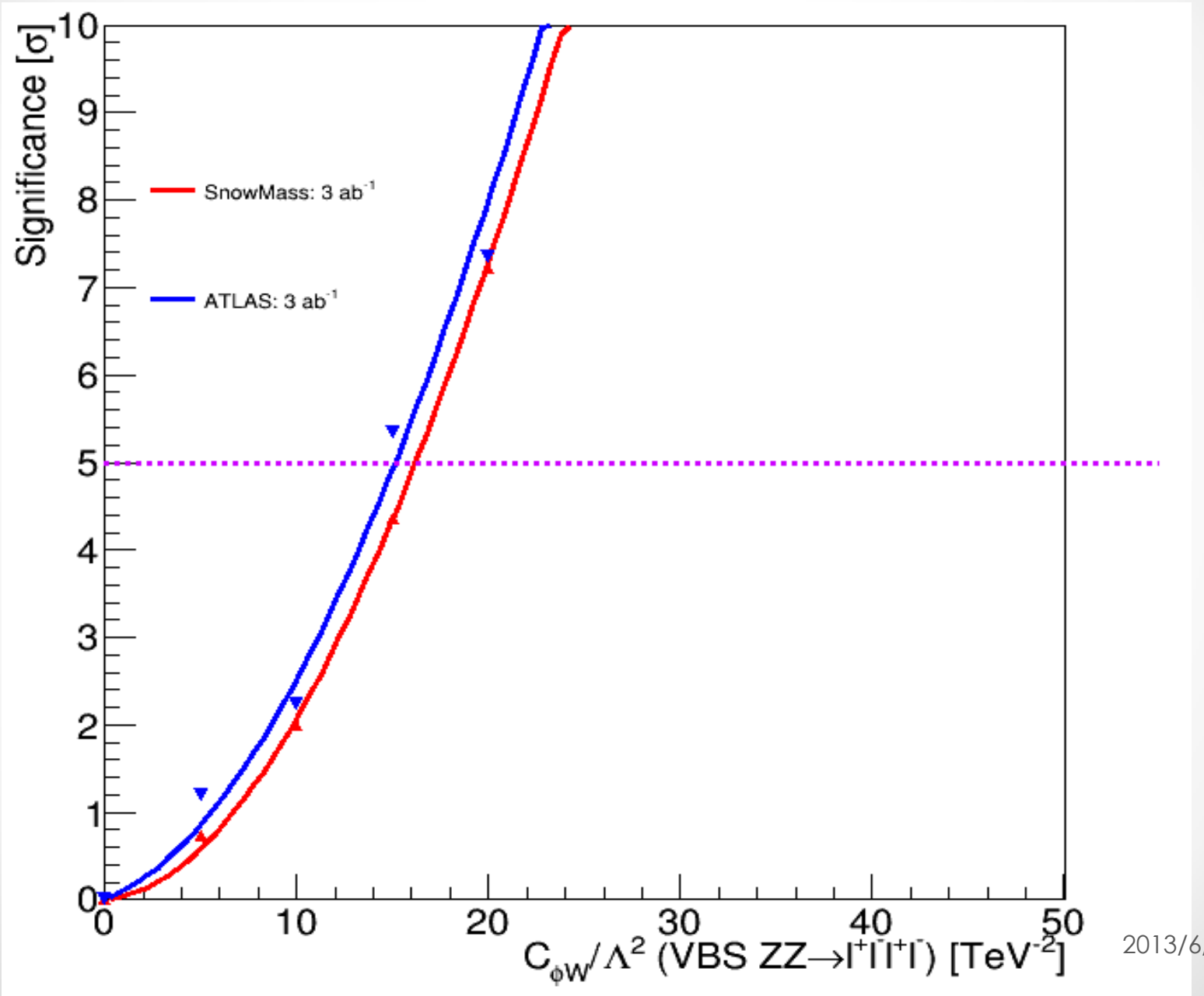




SnowMass Delphes
(NSigma: 9.82378)

ATLAS param sim
(NSigma: 6.85509)

ZZjj: 3000 fb^{-1} comparison between Delphes and ATLAS



Electron pT spectrum difference between delphes and ATLAS param Sim