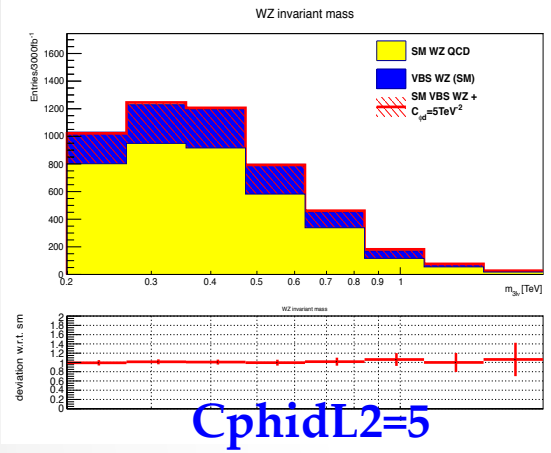
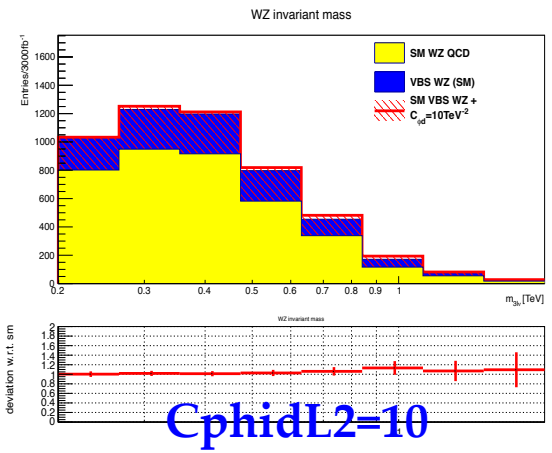
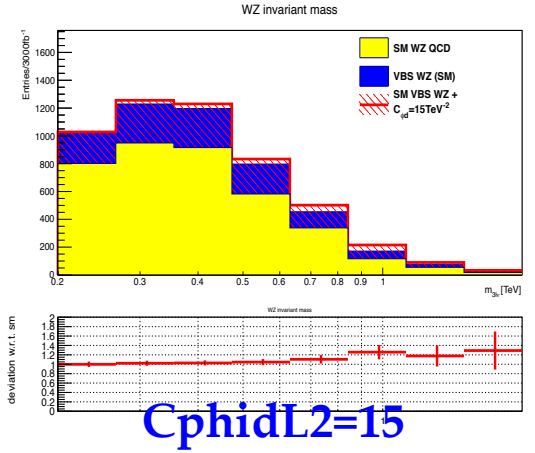
14TeV WZjj 3ab^{-1} m(WZ) spectra w/ dim-6 CphidL2 operator



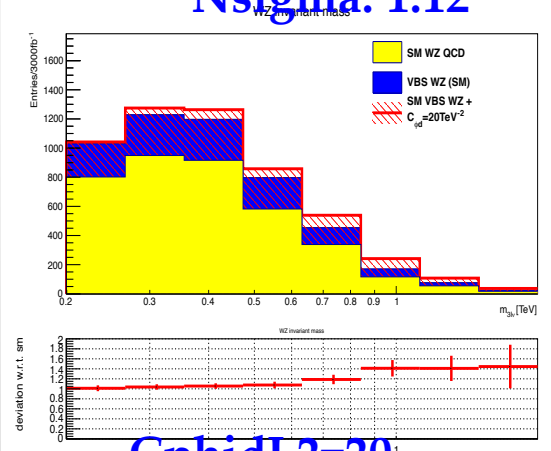
CphidL2=5
Nsigma: 1.12



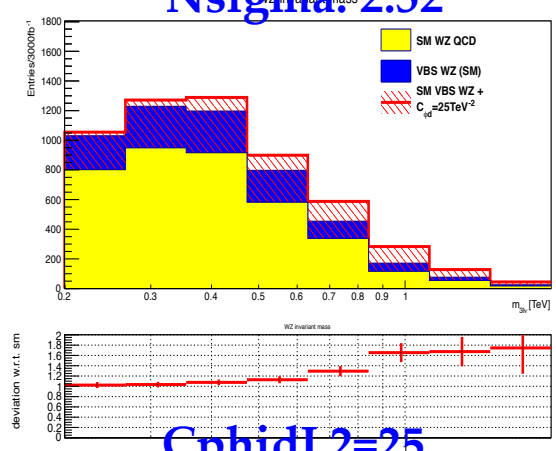
CphidL2=10
Nsigma: 2.52



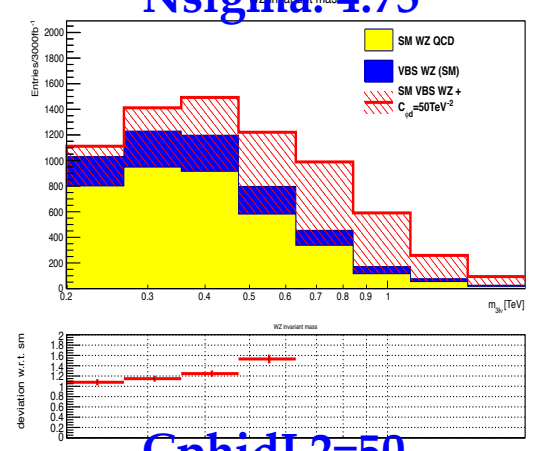
CphidL2=15
Nsigma: 4.75



CphidL2=20
Nsigma: 8.14



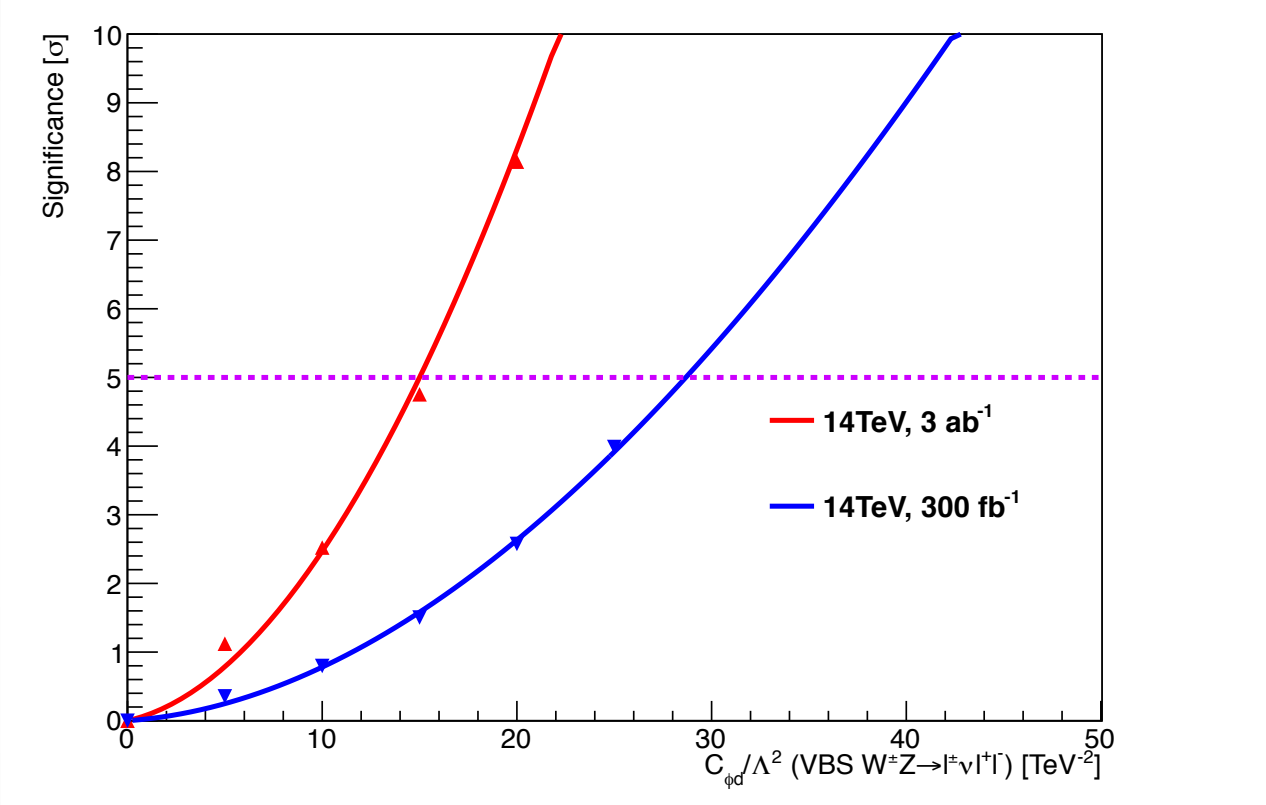
CphidL2=25
Nsigma: 12.61



CphidL2=50
Nsigma: 41.97

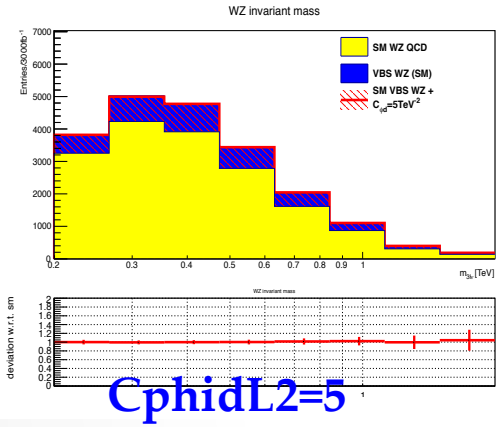
CphidL2 coupling with 14TeV VBS WZjj:

Phase II 3 ab^{-1} and phase I 300 fb^{-1} comparison

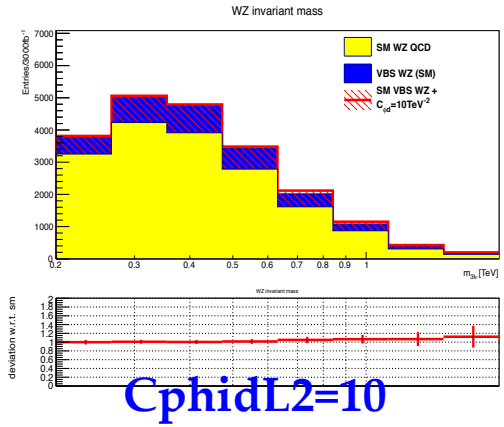


$C_{\phi d}$ Value (VBS WZjj)	5-σ	2-σ
300fb^{-1}	28.7	17.0
3ab^{-1}	15.0	8.7

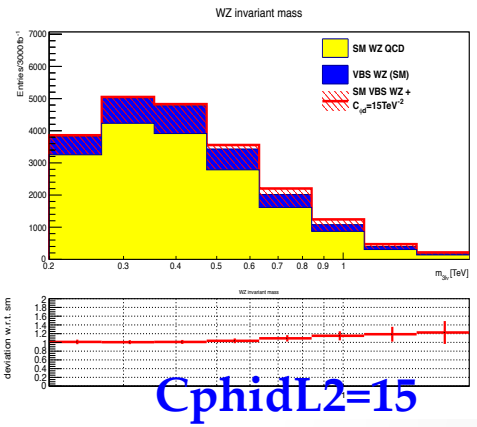
33TeV WZjj 3ab^{-1} m(WZ) spectra w/ dim-6 CphidL2 operator



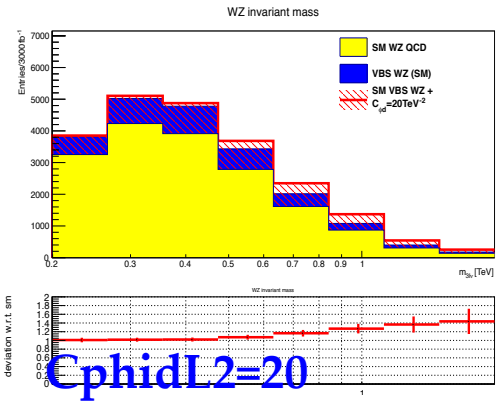
CphidL2=5
Nsigma: 1.22



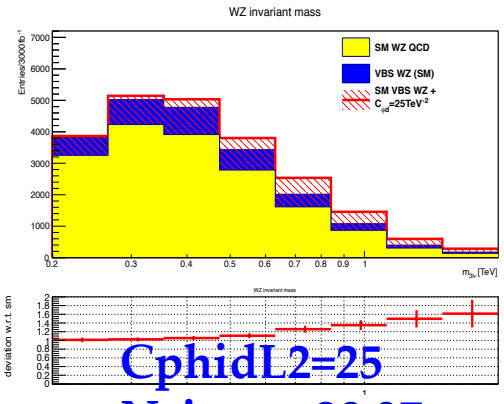
CphidL2=10
Nsigma: 3.91



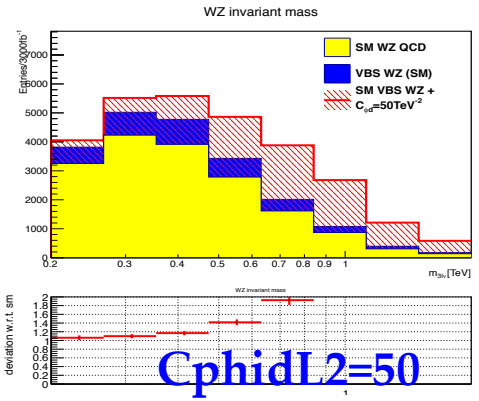
CphidL2=15
Nsigma: 8.23



CphidL2=20
Nsigma: 14.95



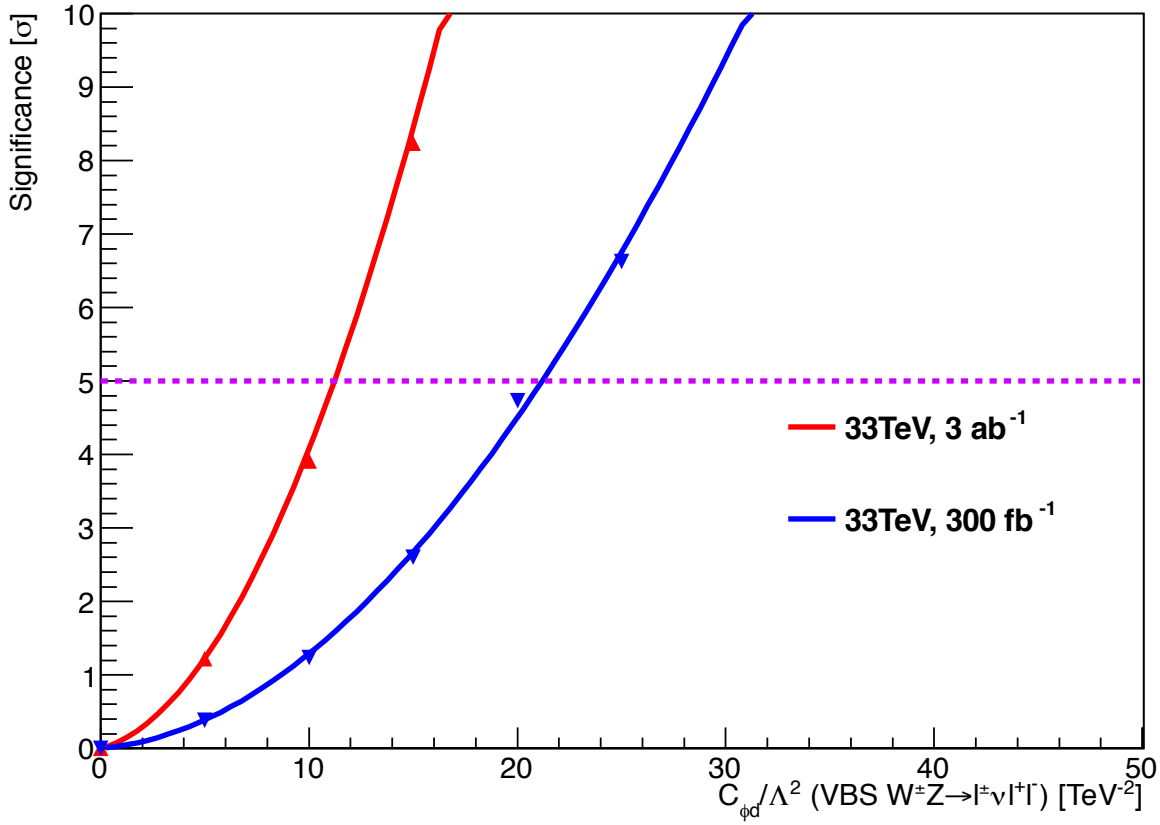
CphidL2=25
Nsigma: 20.97



CphidL2=50
Nsigma: 73.54

CphidL2 coupling with 33TeV VBS WZjj:

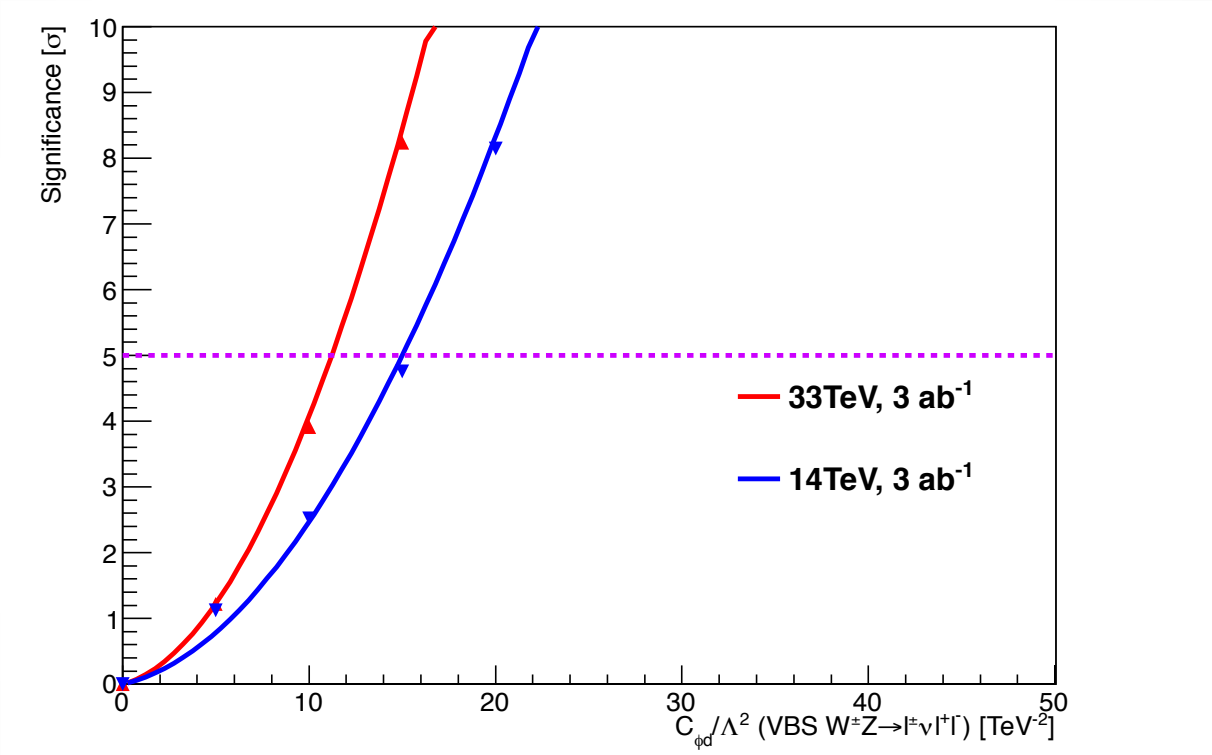
3 ab^{-1} and 300 fb^{-1} comparison



$C_{\phi d}$ Value (VBS WZjj)	5-σ	2-σ
300fb^{-1}	21.2	12.6
3ab^{-1}	11.2	6.6

CphidL2 coupling with $3ab^{-1}$ VBS WZjj:

14TeV and 33TeV comparison



$C_{\phi d}$ Value (VBS WZjj)	5-σ	2-σ
14TeV	15.0	8.7
33TeV	11.2	6.6

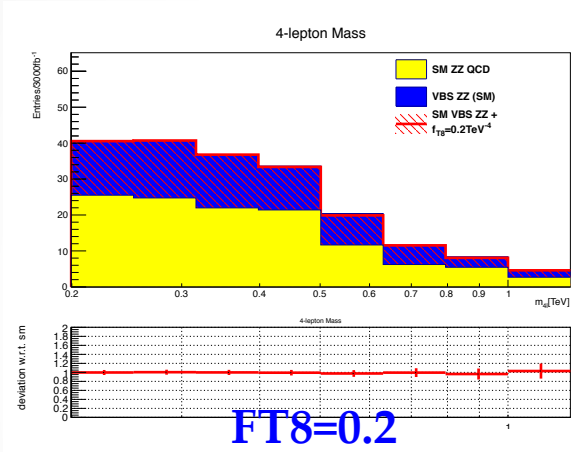
300ifb Mjj optimization

Centre-of-Mass Energy	$C_{\phi d}$ Value (VBS WZjj)	5-σ	2-σ
14TeV	Mjj>500GeV	31.2	18.6
	Mjj>750GeV	29.6	17.7
	Mjj>1TeV	28.7	17.0
	Mjj>1.25TeV	28.5	16.5
	Mjj>1.5TeV	29.2	17.2
33TeV	Mjj>500GeV	22.7	13.5
	Mjj>750GeV	21.6	12.9
	Mjj>1TeV	21.2	12.6
	Mjj>1.25TeV	21.0	12.5
	Mjj>1.5TeV	21.3	12.9

3000ifb Mjj optimization

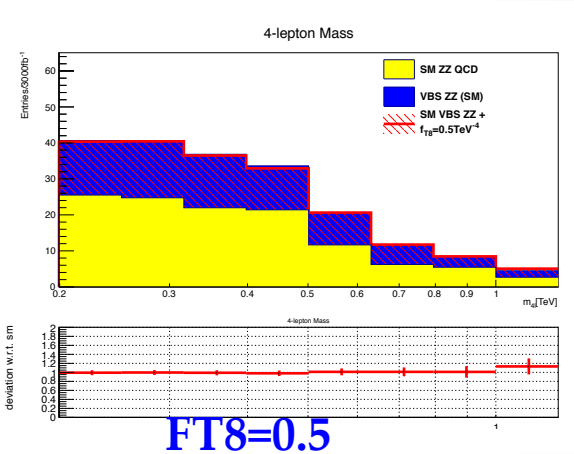
Centre-of-Mass Energy	$C_{\phi d}$ Value (VBS WZjj)	5-σ	2-σ
14TeV	Mjj>500GeV	16.5	9.5
	Mjj>750GeV	15.7	9.3
	Mjj>1TeV	15.0	8.7
	Mjj>1.25TeV	14.5	8.2
	Mjj>1.5TeV	15.3	9.0
33TeV	Mjj>500GeV	11.9	6.9
	Mjj>750GeV	11.4	6.6
	Mjj>1TeV	11.2	6.6
	Mjj>1.25TeV	11.1	6.4
	Mjj>1.5TeV	11.5	7.1

14TeV ZZjj 3ab^{-1} m(ZZ) spectra w/ dim-8 FT8 operator



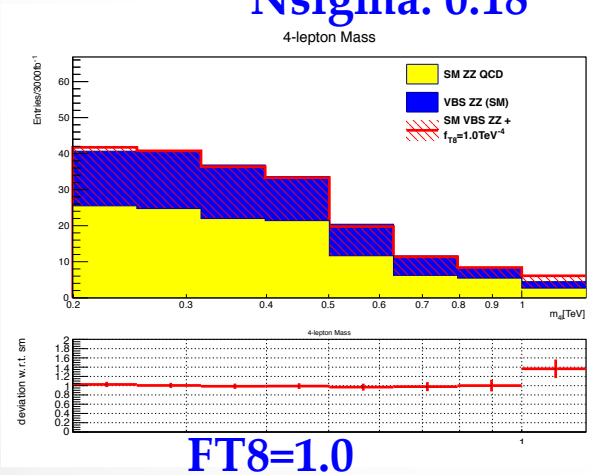
FT8=0.2

Nsigma: 0.18



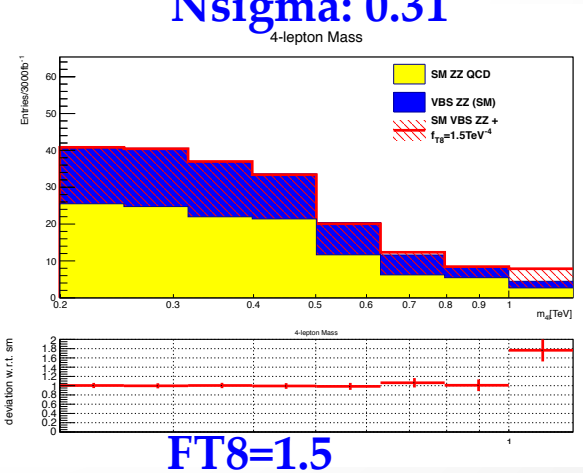
FT8=0.5

Nsigma: 0.31



FT8=1.0

Nsigma: 0.77

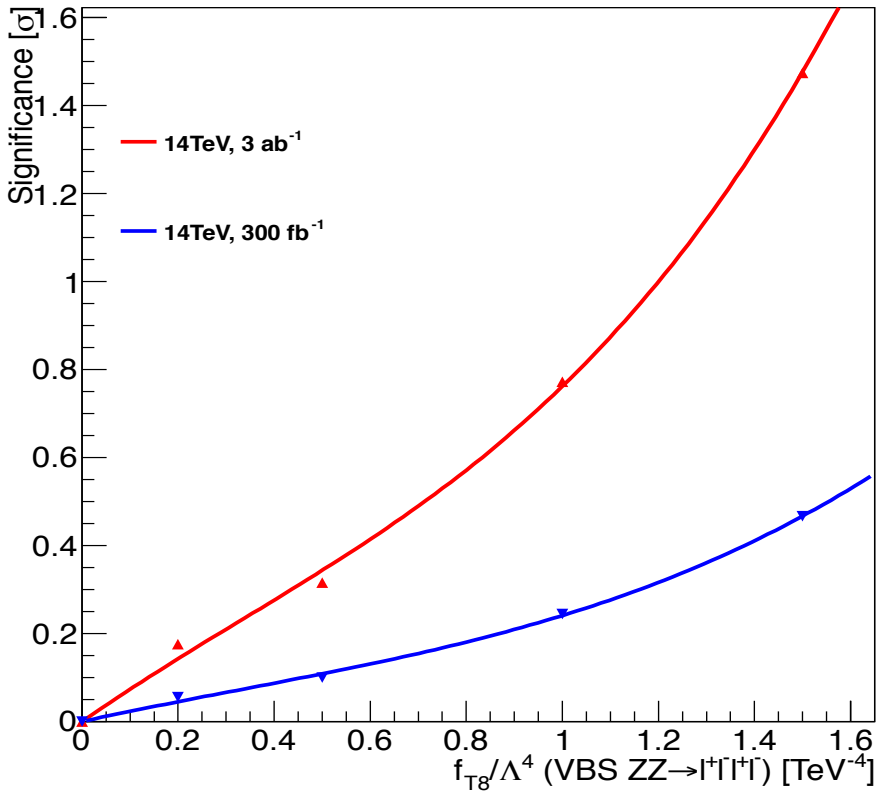


FT8=1.5

Nsigma: 1.47

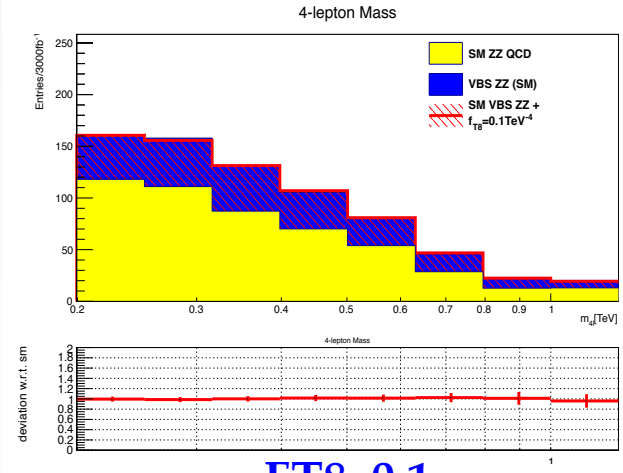
FT8 coupling with 14TeV VBS ZZjj:

Phase II 3 ab^{-1} and phase I 300 fb^{-1} comparison

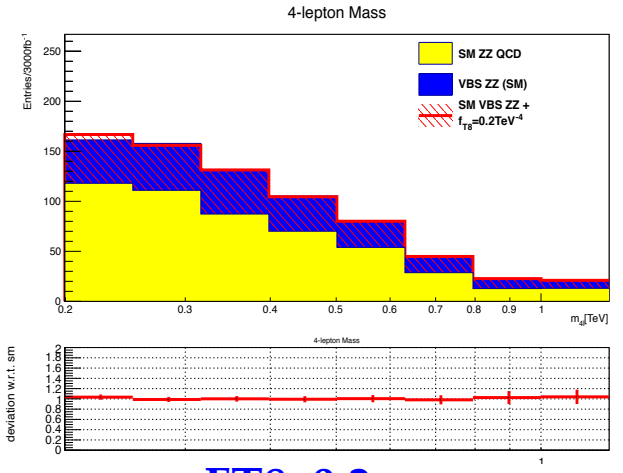


FT8 Value (VBS ZZjj)	5-σ	2-σ
300fb^{-1}	3.9	2.8
3ab^{-1}	2.6	1.7

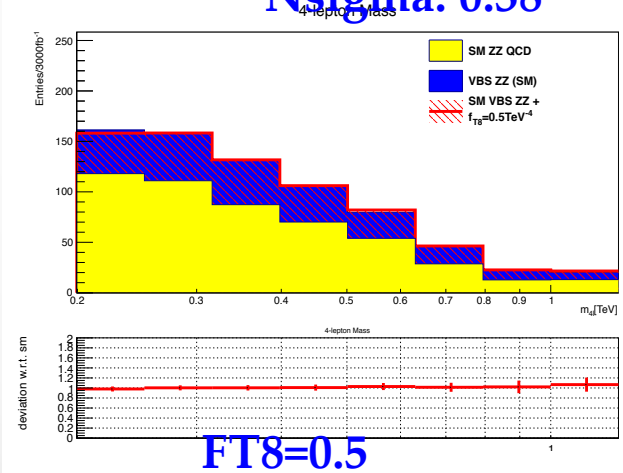
33TeV ZZjj 3ab^{-1} m(ZZ) spectra w/ dim-8 FT8 operator



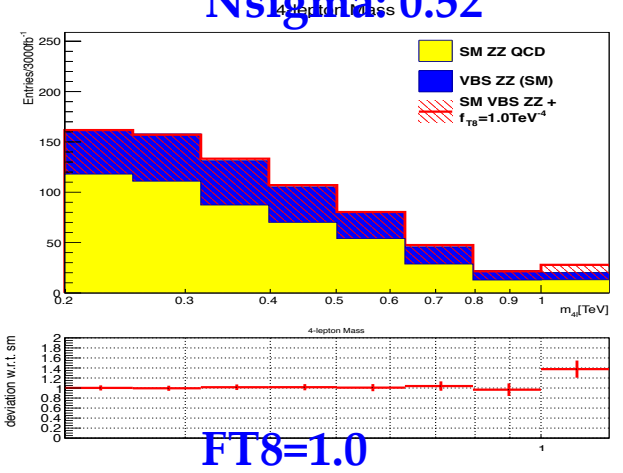
FT8=0.1
Nsigma: 0.38



FT8=0.2
Nsigma: 0.52



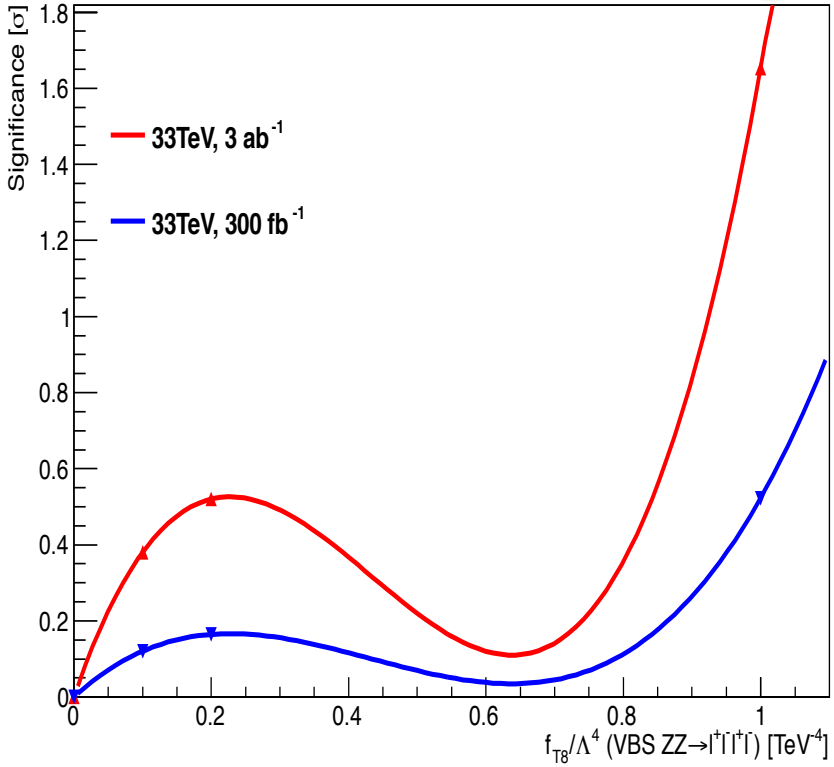
FT8=0.5
Nsigma: 0.50



FT8=1.0
Nsigma: 1.65

FT8 coupling with 33TeV VBS ZZjj:

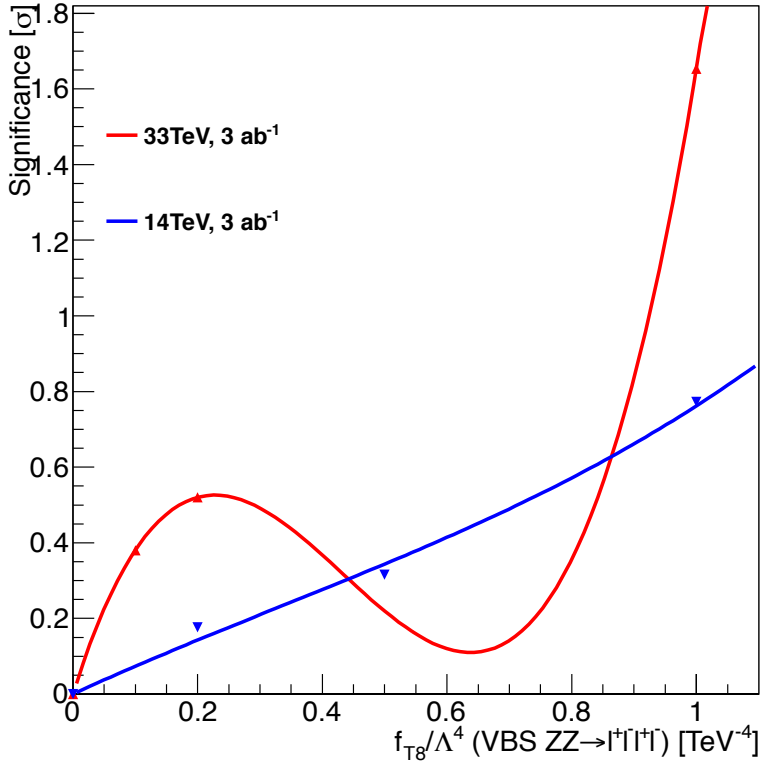
3 ab^{-1} and 300 fb^{-1} comparison



FT8 Value (VBS ZZjj)	5-σ	2-σ
300fb^{-1}	1.6	1.3
3ab^{-1}	1.2	1.0

FT8 coupling with $3ab^{-1}$ VBS ZZjj:

14TeV and 33TeV comparison



FT8 Value (VBS ZZjj)	5-σ	2-σ
14TeV	2.6	1.7
33TeV	1.2	1.0

FT9 coupling with 14TeV VBS ZZjj:

Phase II 3 ab^{-1} and phase I 300 fb^{-1} comparison

FT9 Value (VBS ZZjj)	5-σ	2-σ
300fb^{-1}	4.1	3.2
3ab^{-1}	3.1	2.5

FT9 coupling with 33TeV VBS ZZjj:

3 ab^{-1} and 300 fb^{-1} comparison

FT9 Value (VBS ZZjj)	5-σ	2-σ
300fb^{-1}	3.8	3.0
3ab^{-1}	2.8	2.2

FT9 coupling with $3ab^{-1}$ VBS ZZjj:

14TeV and 33TeV comparison

FT9 Value (VBS ZZjj)	5-σ	2-σ
14TeV	3.1	2.5
33TeV	2.8	2.2