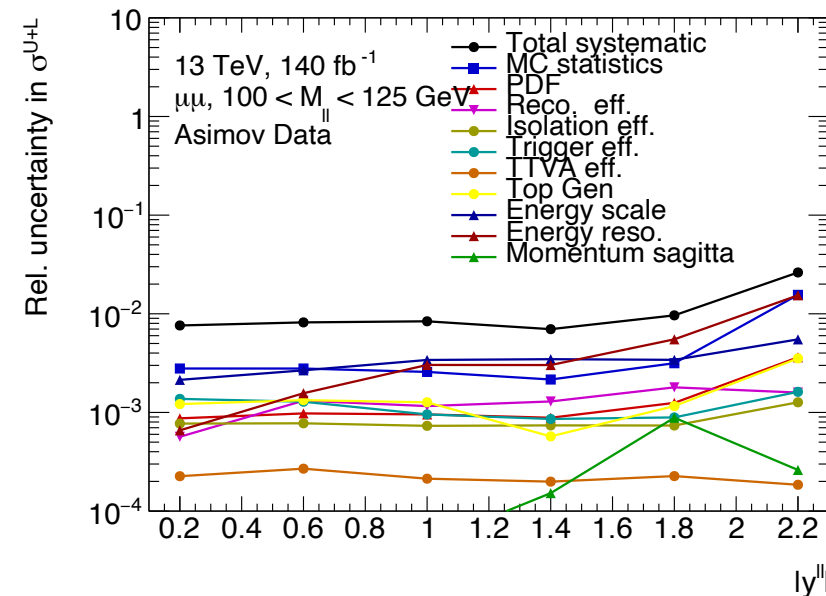
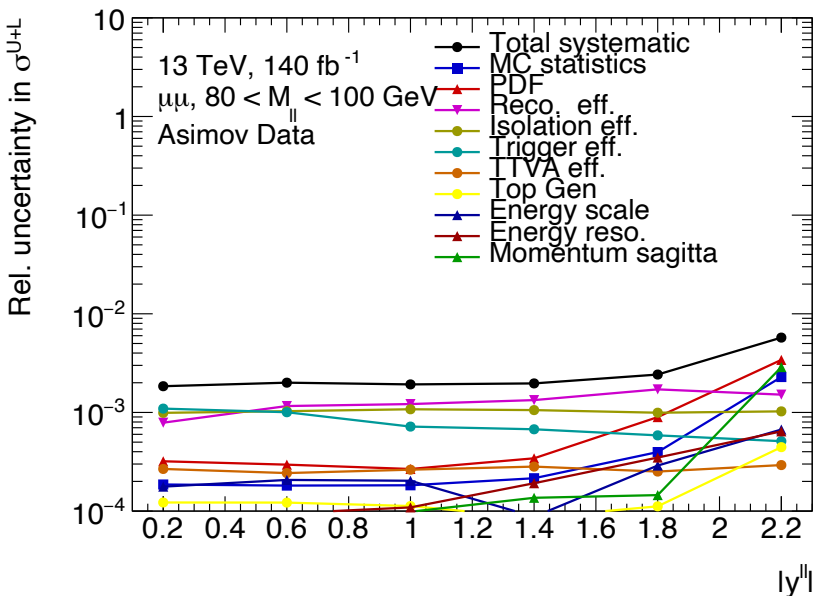
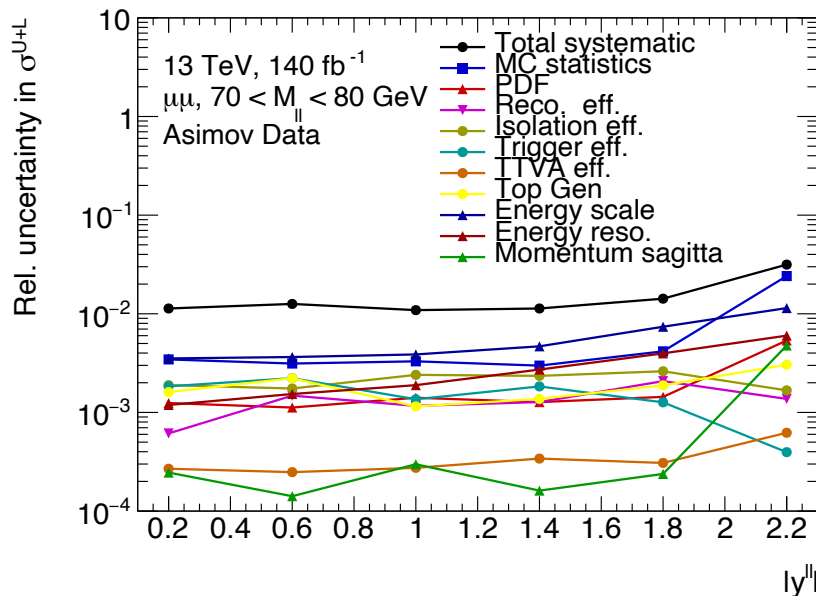
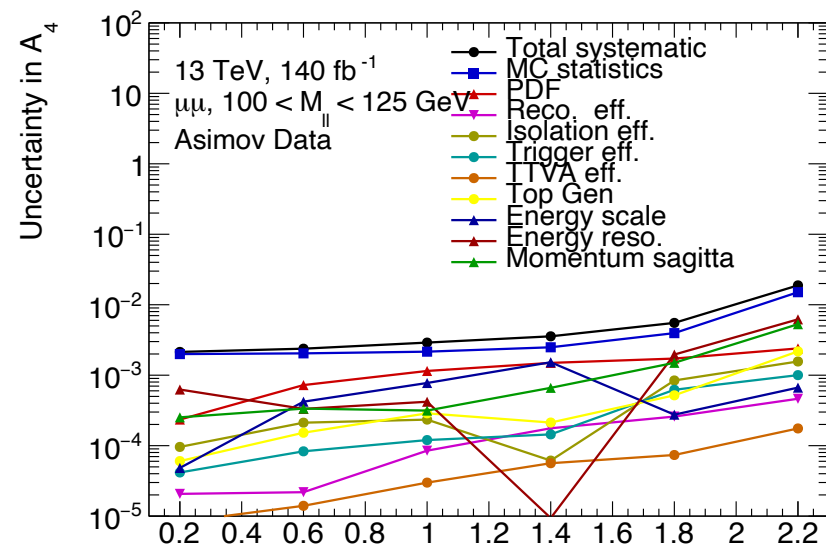
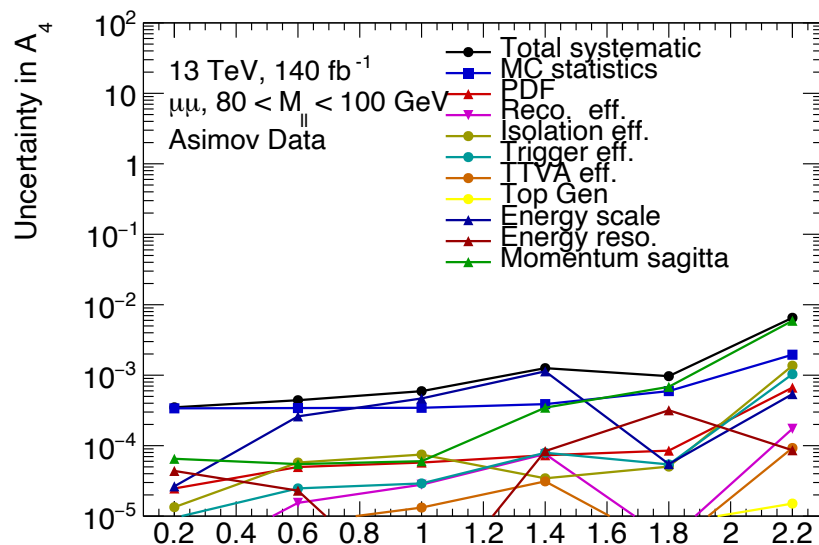
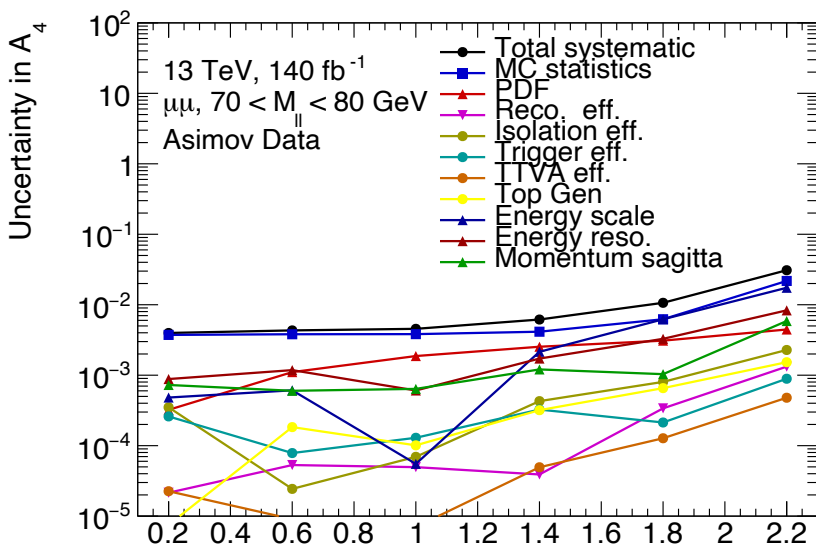
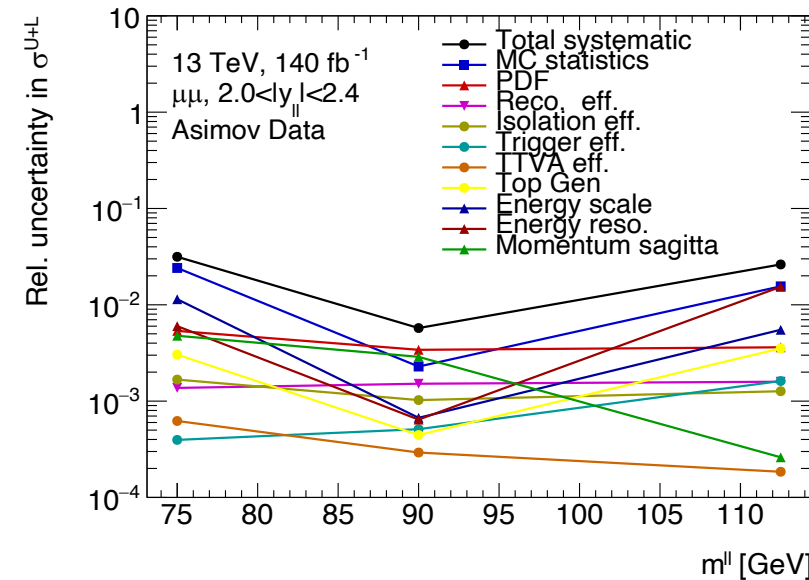
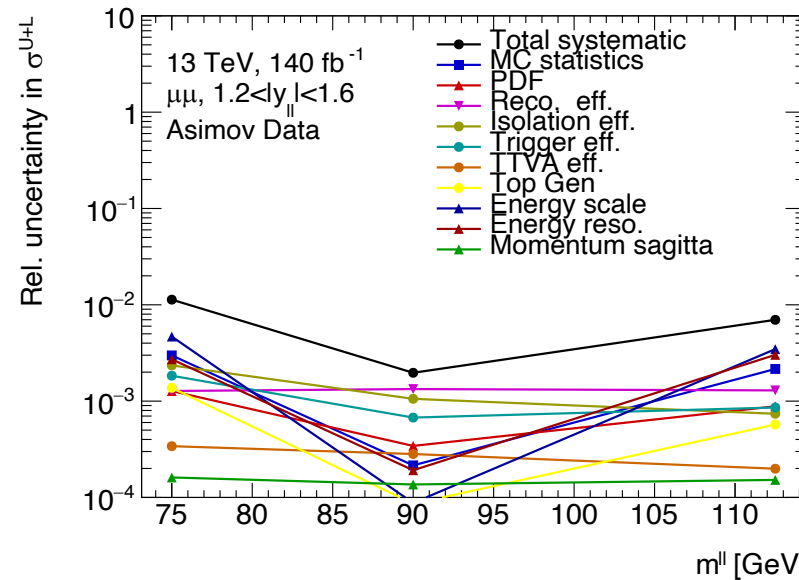
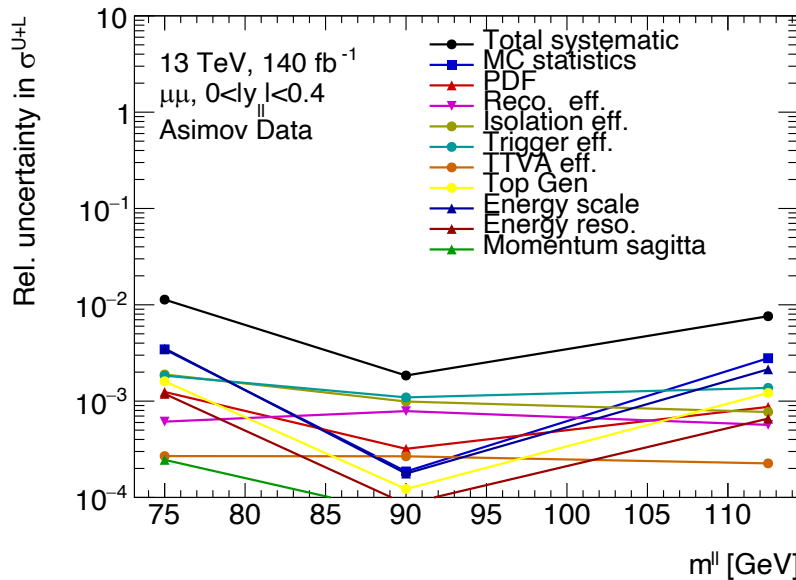
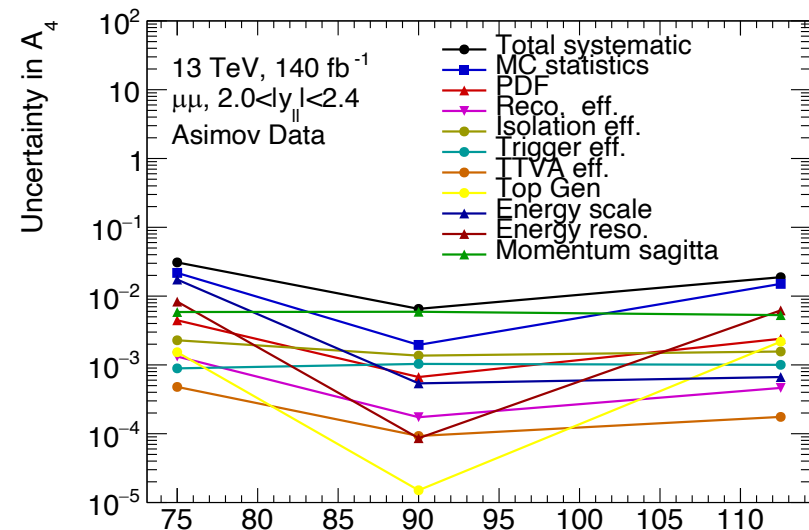
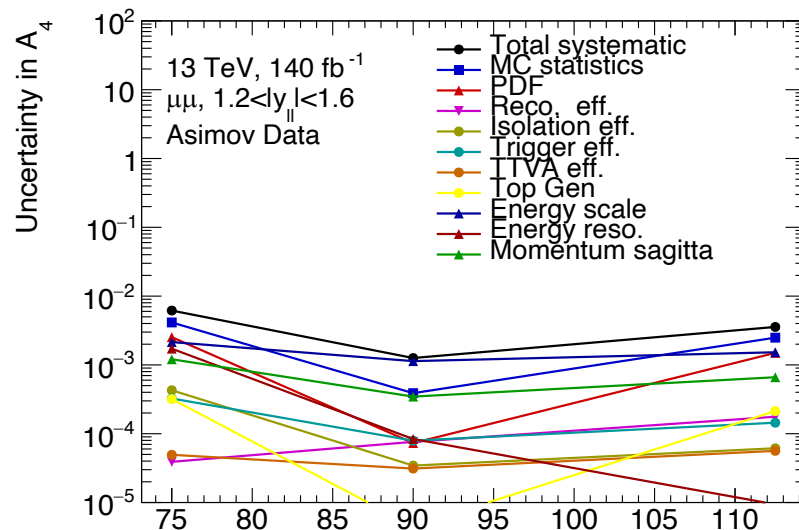
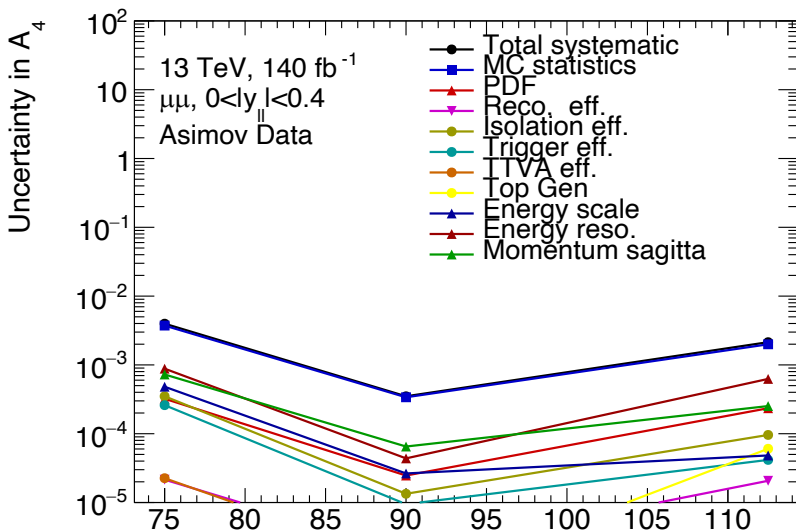


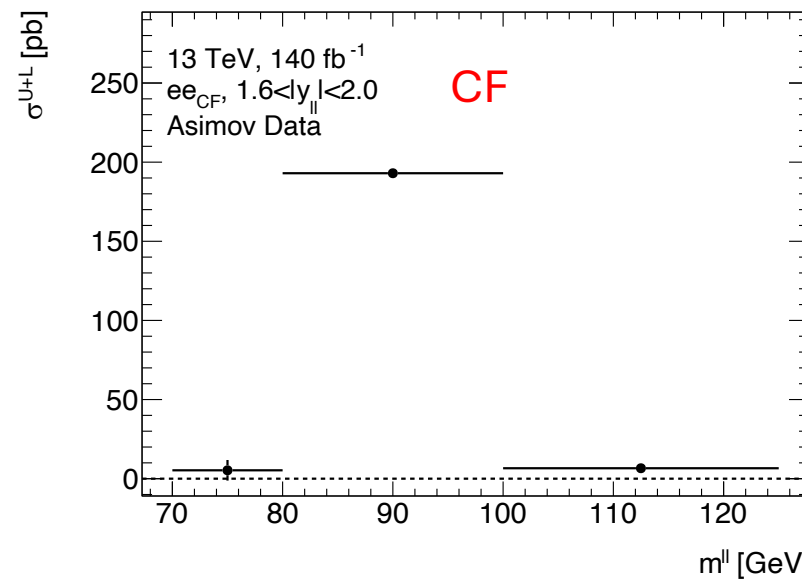
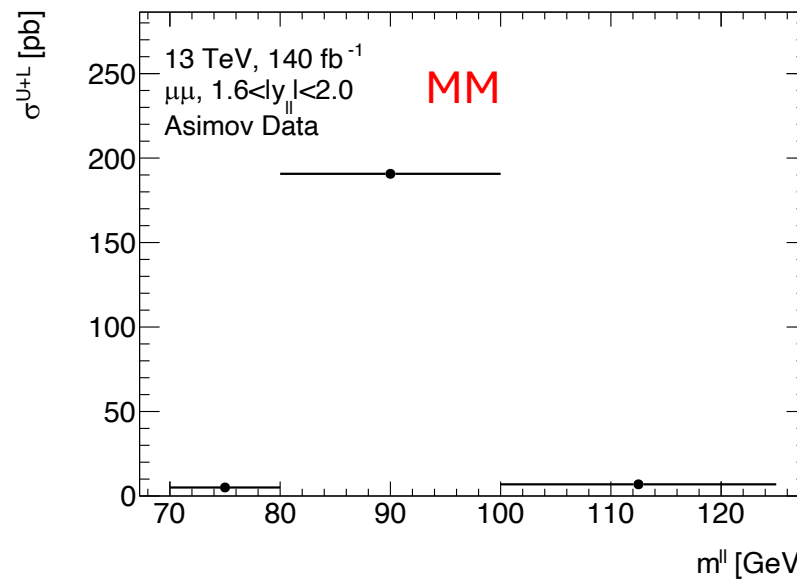
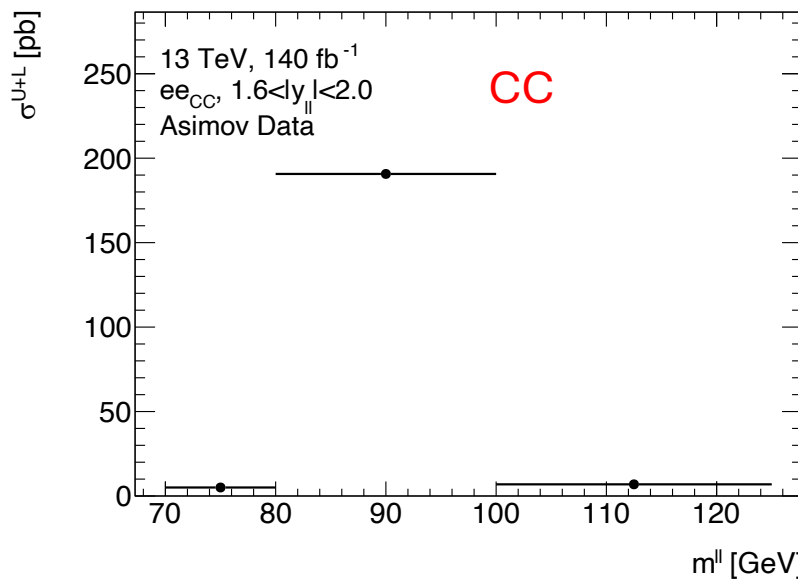
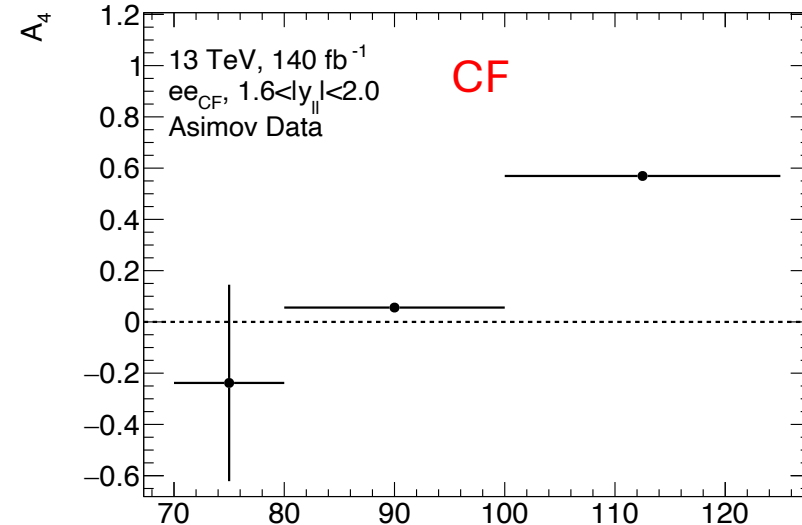
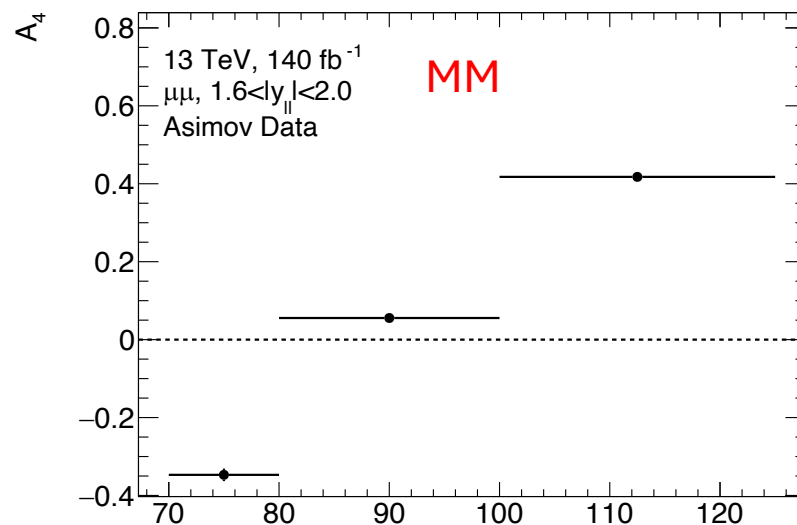
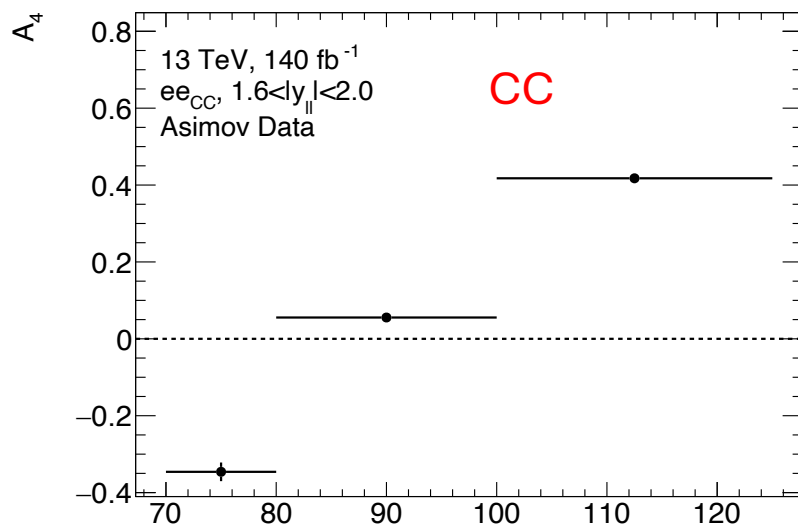
Muon Uncertainties vs Y



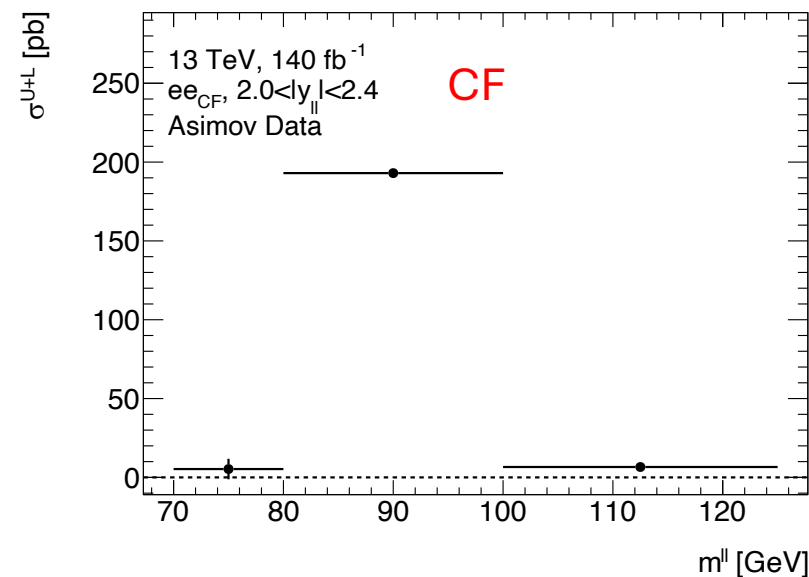
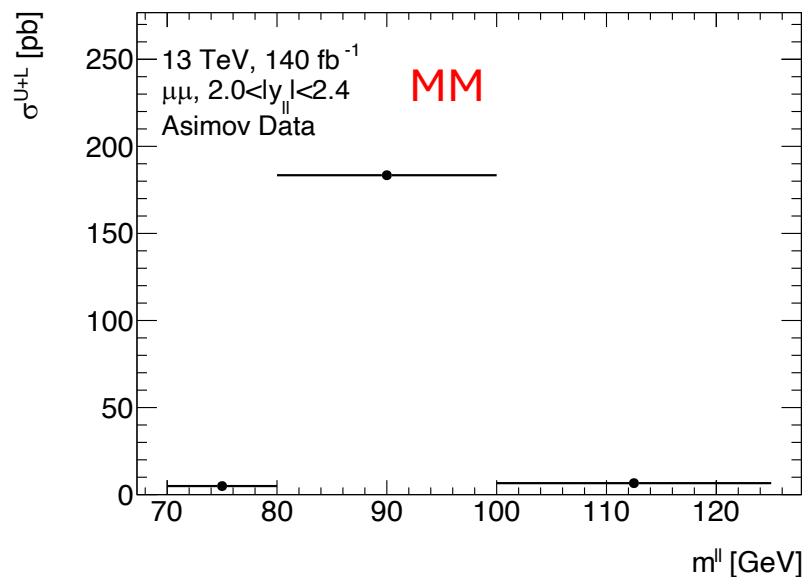
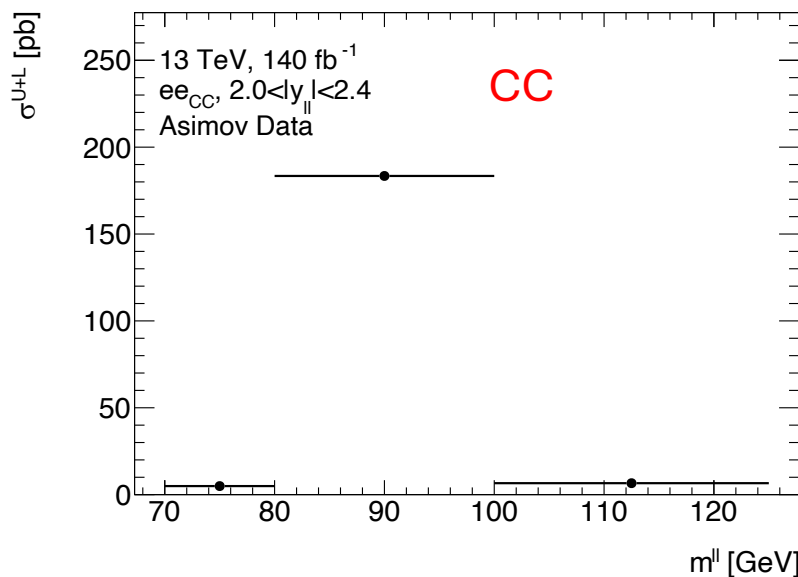
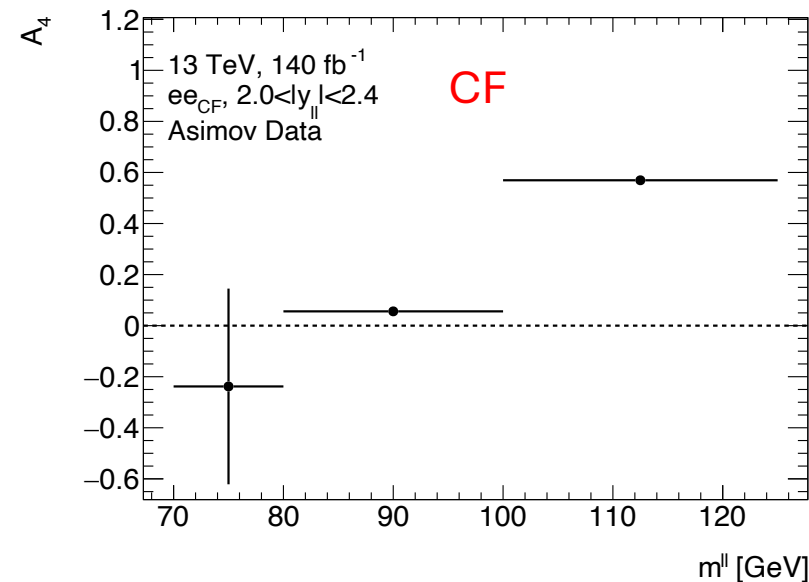
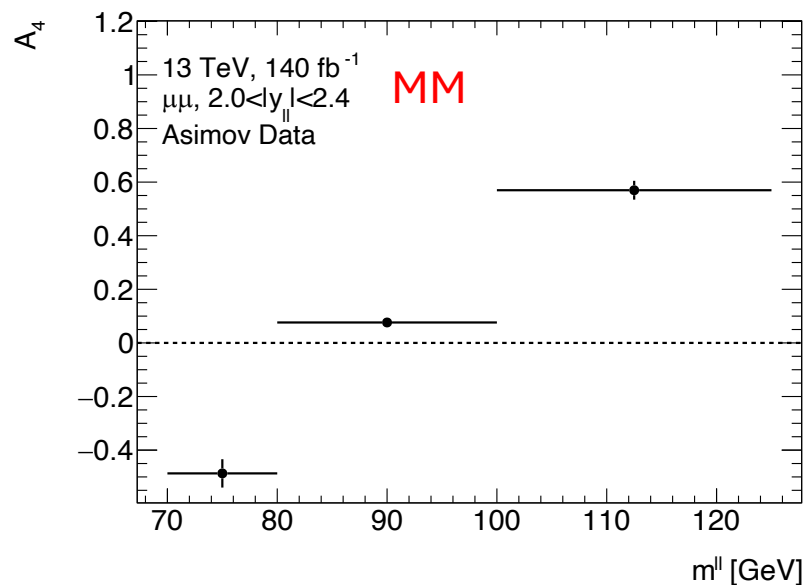
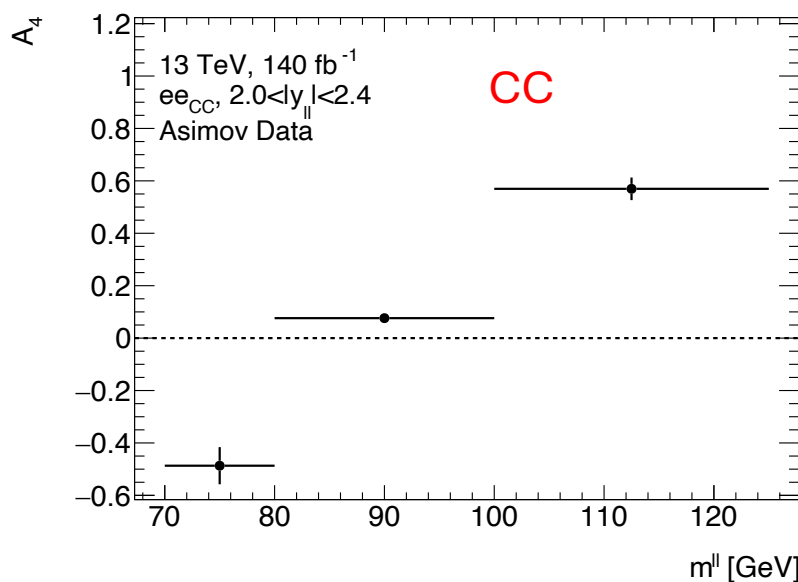
Muon Uncertainties vs Mll



Central value comparison – $1.6 < |Y| < 2.0$



Central Value Comparison – $2.0 < |Y| < 2.4$



CF Systematics

Central calibration variations 

PDF 

Central SF Variations

ChargeID SFs 

Reco SFs 

ID SFs 

Trigger SFs

Forward Calibration

Calibration model

Fit statistics

Fit range

Forward SFs

Stat variations

BkgExtrap

BkgExtrapSym

BkgShape

BkgShapeSym

CenID

CenIDSym

SigContam

SigContamDn

SigContamDnSym

SigContamSym

Background variations

MC Generator ~~systs~~

FF statistics

RangeHi

RangeLo

CenID

FwdAntiID

CF Systematics + ee + MM combination

- Central variations all submitted, still running some.
- Trigger SF variations don't seem to be working correctly right now, (lack of tight + no iso variations in ntuples?)
- Forward variations to be added to the systematics xml file and it all should run properly once defined.
- Also need to do combination of central channels.
- How should common systematics be treated (nominal + pdf), if they aren't to be added together then which one should go in the CB scan folder?

```
✓ rev
> CB_FullRun2_2D_Nom_0705
> CB_FullRun2_2D_Nom_0705_CBSys_v23_v26
> CB_FullRun2_2D_Nom_0705_CCSys_v23_v26
> CB_FullRun2_2D_Nom_0705_MMSys_v23_v26
> CB_FullRun2_2D_Sys_0705
> CB_FullRun2_2D_Sys_0705_CBSys_v23_v26
> CB_FullRun2_2D_Sys_0705_CCSys_v23_v26
> CB_FullRun2_2D_Sys_0705_MMSys_v23_v26
> CB_FullRun2_s2w_pt3M2Y8_1006
> CC_FullRun2_2D_Nom_0705
> CC_FullRun2_2D_Nom_0705_CCSys_v23_v26
> CC_FullRun2_2D_Sys_0705
> CC_FullRun2_2D_Sys_0705_CCSys_v23_v26
> CC_FullRun2_s2w_pt3M2Y8_1006
> FullRun2_2D_Sys_0705_CBSys_v23_v26
> FullRun2_2D_Sys_0705_CCSys_v23_v26
> FullRun2_2D_Sys_0705_MMSys_v23_v26
> MM_FullRun2_2D_Nom_0705
> MM_FullRun2_2D_Nom_0705_MMSys_v23_v26
> MM_FullRun2_2D_Sys_0705
> MM_FullRun2_2D_Sys_0705_MMSys_v23_v26
> MM_FullRun2_s2w_pt3M2Y8_1006
```