

#### MINERvA\_CCinc\_XSec\_2DEavq3\_nu\_settings

```
• name : MINERVA_CCinc_XSec_2DEavq3_nu

input : GENIE: @GENIE_DIR/gntp.R-2_8_6.OfficialDefault.Default.MINERVA_fhc_numu.CH.2500000.1.prepared

type : DEFAULT

• description :

|-> MINERVA_CCinc_XSec_2DEavq3_nu sample.
|-> Target: CH
|-> Flux: MINERVA Medium Energy FHC numu
|-> Signal: CC-inclusive with theta < 20deg

*title : q_ (GeV)

*ytitle : E_{post} (GeV)

*ytitle : E_{post} (GeV)

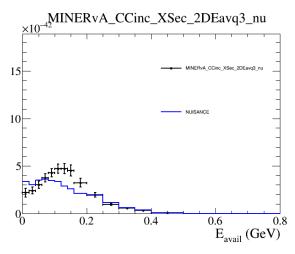
*ytitle : E_post (GeV)
```

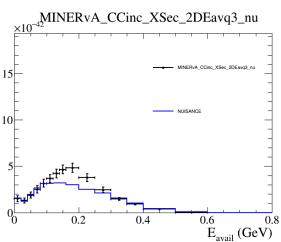
# MINERvA\_CCinc\_XSec\_2DEavq3\_nu\_settings

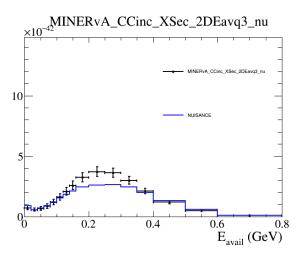
```
• name : MINERVA_CCinc_XSec_2DEavq3_nu
• input : GENIE:@GENIE_DIR/gntp.R-2_8_6.OfficialDefault.Default.MINERVA_fhc_numu.CH.2500000.1.prepared
• type : DEFAULT
• description :

|-> MINERVA_CCinc_XSec_2DEavq3_nu sample.
|-> Target: CH
|-> Flux: MINERVA Medium Energy FHC numu
|-> Signal: CC-inclusive with theta < 20deg
• xitle : q_ (GeV)
• xitle : d_ ofdq_dE_aval cm³/GeV²)
• xitle : d' ofdq_dE_aval (cm³/GeV²)
• default_types : FIX_FREE_SHAPE/FULL_DIAG/MASK
• allowed_types : FIX_FREE_SHAPE/FULL_DIAG/MASK
• a
```

1







```
• name : MINERVA_CCinc_XSec_2DEavq3_nu

• input : GENIE: @GENIE_DIR/gntp.R-2_8_6.OfficialDefault.Default.MINERVA_fhc_numu.CH.2500000.1.prepared

• type : DEFAULT

• description :

|-> MINERVA_CCinc_XSec_2DEavq3_nu sample.
|-> Target: CH
|-> Flux: MINERVA Medium Energy FHC numu
|-> Signal: CC-inclusive with theta < 20deg

• stitle : q_ (GeV)

• ytitle : E_{grad} (GeV)

• ytitle : E_{grad} (GeV)

• ytitle : FIX_FREE,SHAPE/FULL_DIAG/MASK

• allowed_types : fix_Free_SHAPE/FULL_DIAG/MASK

• allowed_types : fix_Free_SHAPE/FULL_
```

#### MINERvA\_CCinc\_XSec\_2DEavq3\_nu\_settings

```
• name : MINERvA_CCinc_XSec_2DEavq3_nu
• input : GENIE: GERNIE_DIR/gntp.R-2_8_6.OfficialDefault.Default.MINERvA_fhc_numu.CH.2500000.1.prepared
• type : DEFAULT
• description :
|-> MINERvA_CCinc_XSec_2DEavq3_nu sample.
|-> Taget : CH
|-> Flux: MINERvA Medium Energy FHC numu
|-> Signal: CC-inclusive with theta < 20deg
• stitle : q_ (GeV)
• ytitle : E_{grad} (GeV)
• ytitle : E_{grad} (GeV)
• ytitle : E_grad (GeV)
• default_types : FIX_FREE_SHAPE/FULL_DIAG/MASK
• allowed_types : FIX_FREE_SHAPE/FULL_DIAG/MASK
• allowed_types : FIX_FRULL
• enu_min : 2
• enu_max : 6
• title : MINERvA_CCinc_XSec_2DEavq3_nu
• data : /data/stowel/IN/WG/NPCTuning/Validations/minerva-validation-template/builds/v2r6/data//MINERvA/CCEa
• orag: /data/stowel/IN/WG/NPCTuning/Validations/minerva-validation-template/builds/v2r6/data//MINERvA/CCEa
• originalname : MINERvA_CCinc_XSec_2DEavq3_nu
• x² : 2152.07
• NDOF: :67
• x²/NDOF : 32.1204
```

# MINERvA\_CCinc\_XSec\_2DEavq3\_nu\_settings

```
• name: MINERVA_CCinc_XSec_2DEavq3_nu

• input: GENIE:@GENIE_DIR/gntp.R-2_8_6.OfficialDefault.Default.MINERVA_fhc_numu.CH.2500000.1.prepared

• type: DEFAULT

• description:

--> Target: CH

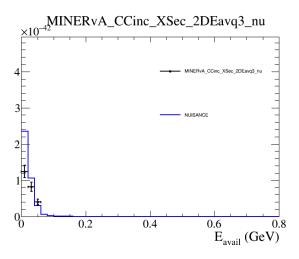
--> Target: CH

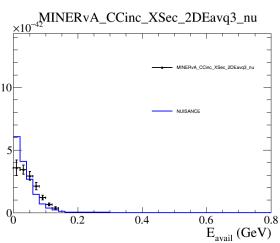
--> Signal: CC-inclusive with theta < 20deg

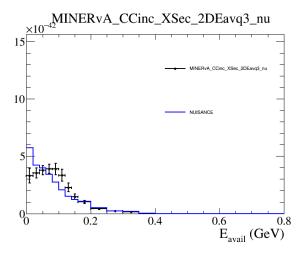
• xitile: a_1_(neV)

• xitile: a_1_{mail} (neV)

• xitile
```





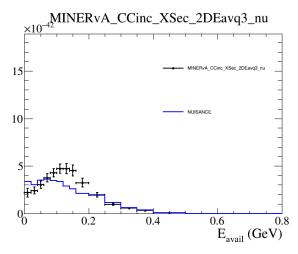


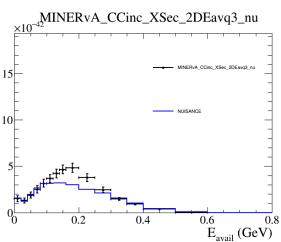
```
• name : MINERVA_CCinc_XSec_2DEavq3_nu
input : GENIE: @GENIE_DIR/gntp.R-2_8_6.OfficialDefault.Default.MINERVA_fbc_numu.CH.2500000.1.prepared
type : DEFAULT
• description :
|-> MINERVA_CCinc_XSec_2DEavq3_nu sample.
|-> Target: CH
|-> Flux: MINERVA Medium Energy FHC numu
|-> Signal: CC-inclusive with theta < 20deg
**xitite : q_3 (GeV)
**ytite : E_yearl GeV'
**default_types : FIX_FREE,SHAPE/FULL_DIAG/MASK
**allowed_types : FIX_FREE,SHAPE/FULL_DIAG/MASK
**allowed_ty
```

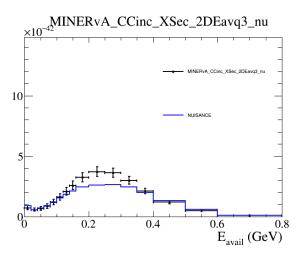
#### MINERvA\_CCinc\_XSec\_2DEavq3\_nu\_settings

```
• name : MINERvA_CCinc_XSec_2DEavq3_nu
• input : GENIE:@GENIE_DIR/gntp.R-2_8_6.OfficialDefault.Default.MINERvA_fhc_numu.CH.2500000.1.prepared
• type : DEFAULT
• description :
|-> MINERvA_CCinc_XSec_2DEavq3_nu sample.
|-> Target: CH
|-> Flux MINERvA Medium Energy FHC numu
|-> Signal: CC-inclusive with theta < 20deg
• xtitle : q<sub>3</sub> (GeV)
• ytitle : E<sub>grad</sub> (GeV)
• ztitle : f<sub>grad</sub> (GeV)
• ztitle : f<sub>grad</sub> (GeV)
• ztitle : d'o'Adq_de_saj (cm²/GeV²)
• default_types : FIX.FREE.SHAPE/FULL_DIAG/MASK
• allowed_types : FIX.FREE.SHAPE/FULL_DIAG/MASK
• allowed_ty
```

# MINERvA\_CCinc\_XSec\_2DEavq3\_nu\_settings







```
• name : MINERVA_CCinc_XSec_2DEavq3_nu

• input : GENIE: @GENIE_DIR/gntp.R-2_8_6.OfficialDefault.Default.MINERVA_fbc_numu.CH.2500000.1.prepared

• type : DEFAULT

• description :

|-> MINERVA_CCinc_XSec_2DEavq3_nu sample.

|-> Target: CH
|-> Flux: MINERVA Medium Energy FHC numu

|-> Signal: CC-inclusive with theta < 20deg

• xtitle : q, (GeV)

• ytitle : E<sub>youl</sub> (GeV)

• ytitle : E<sub>youl</sub> (GeV)

• ytitle : E<sub>youl</sub> (GeV)

• default_types : FIX_FREE,SHAPE/FULL_DIAG/MASK

• allowed_types : FIX_FREE,SHAPE/FULL_DIAG/MASK

• allowed_types : FIX_FRULL

• enu_max : 6

• title : MINERVA_CCinc_XSec_2DEavq3_nu

• data : /data/stowell/NIWG/NPCTuning/Validations/minerva-validation-template/builds/v2r6/data//MINERVA/CCEa

• covar : /data/stowell/NIWG/NPCTuning/Validations/minerva-validation-template/builds/v2r6/data//MINERVA/CCEa

• originalname : MINERVA_CCinc_XSec_2DEavq3_nu

• x : 2152.07

• NDOF: 67

*x/*NDOF: 32.1204
```

#### MINERvA\_CCinc\_XSec\_2DEavq3\_nu\_settings

```
• name : MINERVA_CCinc_XSec_2DEavq3_nu
• input : GENIE:@GENIE_DIR/gntp.R-2_8_6.OfficialDefault.Default.MINERVA_fhc_numu.CH.2500000.1.prepared
• type : DEFAULT
• description :
|-> MINERVA_CCinc_XSec_2DEavq3_nu sample.
|-> Taget: CH
|-> Flux: MINERVA Medium Energy FHC numu
|-> Signal: CC-inclusive with theta < 20deg

* xtitle : q, (GeV)

* ytitle : Grodq, dE_symic (em²/GeV²)

* title: d*odq, dE_symic (em²/GeV²)

* default_types : FIX.FREE.SHAPE/FULL_DIAG/MASK

* allowed_types : FIX.FREE.SHAPE/FULL_DIAG/MASK

* allowed_types : FIX.FREE.SHAPE/FULL_DIAG/MASK

* allowed_types : FIX.FREE.SHAPE/FULL_DIAG/MASK

* dalowed_types : FIX.FREE.SHAPE/FULL_DIAG/MASK

* dalowed_types
```

# MINERvA\_CCinc\_XSec\_2DEavq3\_nu\_settings

