

MINERvA_CC0pi_XSec_1DQ2_TgtC_nu_settings

- name : MINERvA_CC0pi_XSec_1DQ2_TgtC_nu
 input : GENIE:@GENIE_DIR/gntp.R-2_8_6.0fficialDefault.Default.MINERvA_fhc_numu.C.2500000.5.prepared.r-
- type : DEFAULT description :
- |--> MINERvA_CC0pi_XSec_1DQ2_Tgt_nu sample. |--> Target: Either C, CH, Fe, Pb

- |--> flux MiNERVA Forward Horn numu |--> flux MiNERVA Forward Horn numu |--> flux MiNERVA Forward Horn numu |--> flux GeV²| vitile : Q²_{GE} (GeV²) vitile : do/dQ² (cm²/GeV²) default_types : FIX_FREE_SHAPE/DIAG/NORM

- allowed_types : FIX/DIAG
- enu_min : 0

- enu_min: 0
 enu_max: 100
 ettide: MiNERvA_CC0pi_XSec_1DQ2_Tgt_nu
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 ettide: Adata/stowell/NIWG/NUISANCEMC/minerva_tuning/sample_validations/minerva-validation-061117/builds/nccovar: //data/stowell/NIWG/NUISANCEMC/minerva_tuning/sample_validations/minerva-validation-061117/builds/nccovar: //data/stowell/NIWG/NUISANCEMC/minerva-validation-061117/builds/nccovar: //data/stowell/NIWG/NUISANCEMC/minerva-validation-061117/builds/nccovar: //data/stowell/NIWG/NUISANCEMC/minerva-validation-061117/builds/nccovar: //data/stowell/NIWG/NUISANCEMC/minerva-validation-061117/builds/nccovar: //data/stowell/NIWG/NUISANCEMC/minerva-validation-061117/builds/nccovar: //data/stowell/NIWG/NUISANCEMC/minerva-validation-061117/builds/nccovar: //data/stowell/NIWG/NUISANCEMC/minerva-validation-061117/builds/nccovar: //data/stowell/NIWG/NUISANCEMC/minerva-validation-061117/builds
- originalname : MINERvA_CC0pi_XSec_1DQ2_TgtC_nu
- NDOF : 5
- χ²/NDOF : 1.16902

MINERvA_CC0pi_XSec_1DQ2_TgtFe_nu_settings

- name : MINERvA_CC0pi_XSec_1DQ2_TgtFe_nu
 input : GENIE:@GENIE_DIR/gntp.R-2_8_6.OfficialDefault.Default.MINERvA_fhc_numu.Fe.2500000.6.prepared:
- type : DEFAULT
- description :
- |--> MINERvA_CC0pi_XSec_1DQ2_Tgt_nu sample |--> Target: Either C, CH, Fe, Pb
- |--> Flux: MINERvA Forward Horn numu
- l--> Signal: Any event with 1 muon, 1 proton p>450, no pions xtitle : Q_{QE}^2 (GeV²) ytitle : dd/dQ² (cm²/GeV²)

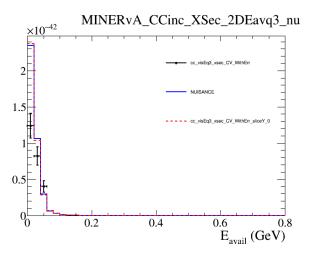
- default_types : FIX,FREE,SHAPE/DIAG/NORM
- allowed_types : FIX/DIAG enu_min : 0

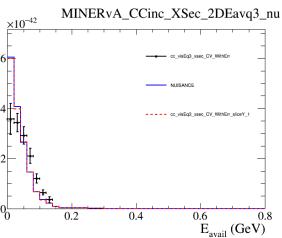
- enu_max : 100 title : MINERvA_CC0pi_XSec_1DQ2_Tgt_nu
- $\bullet \ data: / data/stowell/NIWG/NUISANCEMC/minerva_tuning/sample_validations/minerva-validation-061117/builds/nulled/null$
- covar : /data/stowell/NIWG/NUISANCEMC/minerva_tuning/sample_validations/minerva-validation-061117/builds/
- originalname : MINERvA_CC0pi_XSec_1DQ2_TgtFe_nu
- χ²: 10.7643
- NDOF : 5
- γ²/NDOF : 2.15285

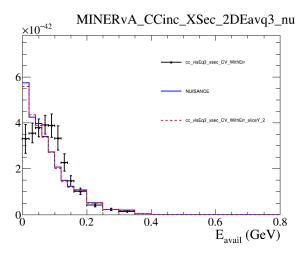
MINERvA_CC0pi_XSec_1DQ2_TgtPb_nu_settings

- name : MINERvA_CC0pi_XSec_1DQ2_TgtPb_nu
 input : GENIE:@GENIE_DIR/gntp.R-2_8_6.OfficialDefault.Default.MINERvA_fhc_numu.Pb.2500000.7.prepared.
- type : DEFAULT
- · description :
- |--> MINERvA_CC0pi_XSec_1DQ2_Tgt_nu sample |--> Target: Either C, CH, Fe, Pb
- |--> Flux: MINERvA Forward Horn numu
- 1--> Signal: Any event with 1 muon, 1 proton p>450, no pions

- $\begin{array}{ll} \text{Signal. All Vector with Thirdsit, I proton parts }\\ \text{vittle: } Q_{\text{DE}}^{-} \left(\text{GeV}^2\right)\\ \text{vittle: } \text{d}\text{d}\text{/d}Q^2\left(\text{cm}^2/\text{GeV}^2\right)\\ \text{d}\text{efault_types: } \text{FIX,FREE,SHAPE/DIAG/NORM} \end{array}$
- allowed_types : FIX/DIAG
- enu_min : 0
- enu_max : 100 title : MINERvA_CC0pi_XSec_1DQ2_Tgt_nu
- data : /data/stowell/NIWG/NUISANCEMC/minerva_tuning/sample_validations/minerva-validation-061117/builds/n
- covar : /data/stowell/NIWG/NUISANCEMC/minerva_tuning/sample_validations/minerva-validation-061117/builds/ $\bullet \ original name : MINERvA_CC0pi_XSec_1DQ2_TgtPb_nu \\$
- NDOF : 5
- $\chi^2/NDOF : 1.08783$







MINERvA_CCinc_XSec_2DEavq3_nu_settings

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• 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_3_(GeV)
| ytitle : E_grad | GeV |
| ytitle : E_grad | GeV |
| ytitle : E_grad | GeV |
| default_types : FIX.FREE.SHAPE/FULL.DIAG/MASK
• allowed_types : GALD |
| enu_mai : 2
| enu_mai : 6
| ettile : MINERVA_CCinc_XSec_2DEavq3_nu
| data : /data/stowell/NIWG/NUISANCEMC/minerva_tuning/sample_validations/minerva-validation-061117/builds/n
| expar : /data/stowell/NIWG/NUISANCEMC/minerva_tuning/sample_validations/minerva-validation-061117/builds/n
| originalname : MINERVA_CCinc_XSec_2DEavq3_nu
| x² : 2152.07
| NDOF: 67
| x²/PNDF: 32.1204
```

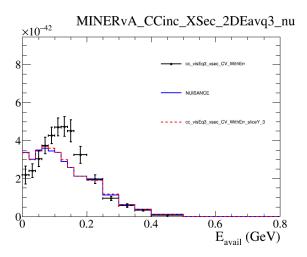
MINERvA_CCinc_XSec_2DEavq3_nu_settings

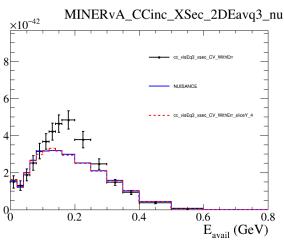
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• name : MINERVA_CCine_XSec_2DEavq3_nu
• input : GENIE:@GENIE_DIR/gntp.R-2_8_6.OfficialDefault.Default.MINERVA_fhc_numu.CH.2500000.1.prepared
• type : DEFAULT
• description :

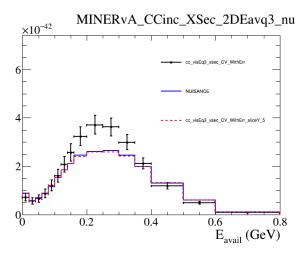
--> MINERVA_CCine_XSec_2DEavq3_nu sample.

--> Target: CH
--> Flux: MINERVA Medium Energy FHC numu
--> Signal: CC-inclusive with theta < 20deg
• xittle : q, (GeV)
• ytitle : E<sub>goal</sub> (GeV)
• ytitle : E<sub>goal</sub> (GeV)
• ytitle : E<sub>goal</sub> (GeV)
• default_types : FIX_FREE_SHAPE/FULL_DIAG/MASK
• allowed_types : FIX_FREE_SHAPE/FULL_DIAG/MASK
• allowed_types : FIX_FVULL
• enu_min : 2
• enu_max : 6
• title : MINERVA_CCinc_XSec_2DEavq3_nu
• data : /data/stowell/NIWG/NUISANCEMC/minerva_tuning/sample_validations/minerva-validation-061117/builds/n
• map : /data/stowell/NIWG/NUISANCEMC/minerva_tuning/sample_validations/minerva-validation-061117/builds/n
• originalname : MINERVA_CCinc_XSec_2DEavq3_nu
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MINERvA_CCinc_XSec_2DEavq3_nu_settings







MINERvA_CCinc_XSec_2DEavq3_nu_settings

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• 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_3_(GeV)
| ytitle : E_grad | GeV |
| ytitle : E_grad | GeV |
| ytitle : E_grad | GeV |
| default_types : FIX.FREE.SHAPE/FULL.DIAG/MASK
• allowed_types : GALD |
| enu_mai : 2
| enu_mai : 6
| ettile : MINERVA_CCinc_XSec_2DEavq3_nu
| data : /data/stowell/NIWG/NUISANCEMC/minerva_tuning/sample_validations/minerva-validation-061117/builds/n
| expar : /data/stowell/NIWG/NUISANCEMC/minerva_tuning/sample_validations/minerva-validation-061117/builds/n
| originalname : MINERVA_CCinc_XSec_2DEavq3_nu
| x² : 2152.07
| NDOF: 67
| x²/PNDF: 32.1204
```

MINERvA_CCinc_XSec_2DEavq3_nu_settings

```
• name: MINERVA_CCine_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_CCine_XSec_2DEavq3_nu sample.
|-> Target: CH
|-> Flux: MINERVA Medium Energy FHC numu
|-> Signal: CC-inclusive with theta < 20deg
• xtitle: q__s(GeV)
| ytitle: E_posited (GeV)
| ytitle: Fordid_s(Be_wi) (cm²/GeV²)
| default_types: FIX_FREE_SHAPE/FULL_DIAG/MASK
• allowed_types: TX/FULL
• enu_max: 6

• title: MINERVA_CCine_XSec_2DEavq3_nu
• data: /data/stowell/NIWG/NUISANCEMC/minerva_tuning/sample_validations/minerva-validation-061117/builds/n
• originalname: MINERVA_CCine_XSec_2DEavq3_nu
• y²: 2152.07
• NDOF: 67
• y²/NDOF: 32.1204
```

MINERvA_CCinc_XSec_2DEavq3_nu_settings