GENIE Comparison

Datasets:

miniboone_nuccqe_2010

miniboone_nucc1pi0_2010

miniboone_nucc1pip_2011

miniboone_nubarccqe_2013

t2k_nd280_numucc0pi_2015_rps

t2k_nd280_numucc0pi_2015

t2k_nd280_numucc_2013

Model:

master/G18_02a_00_000

2018/10/15 09:39:59

Dataset:

miniboone_nuccqe_2010

Model:

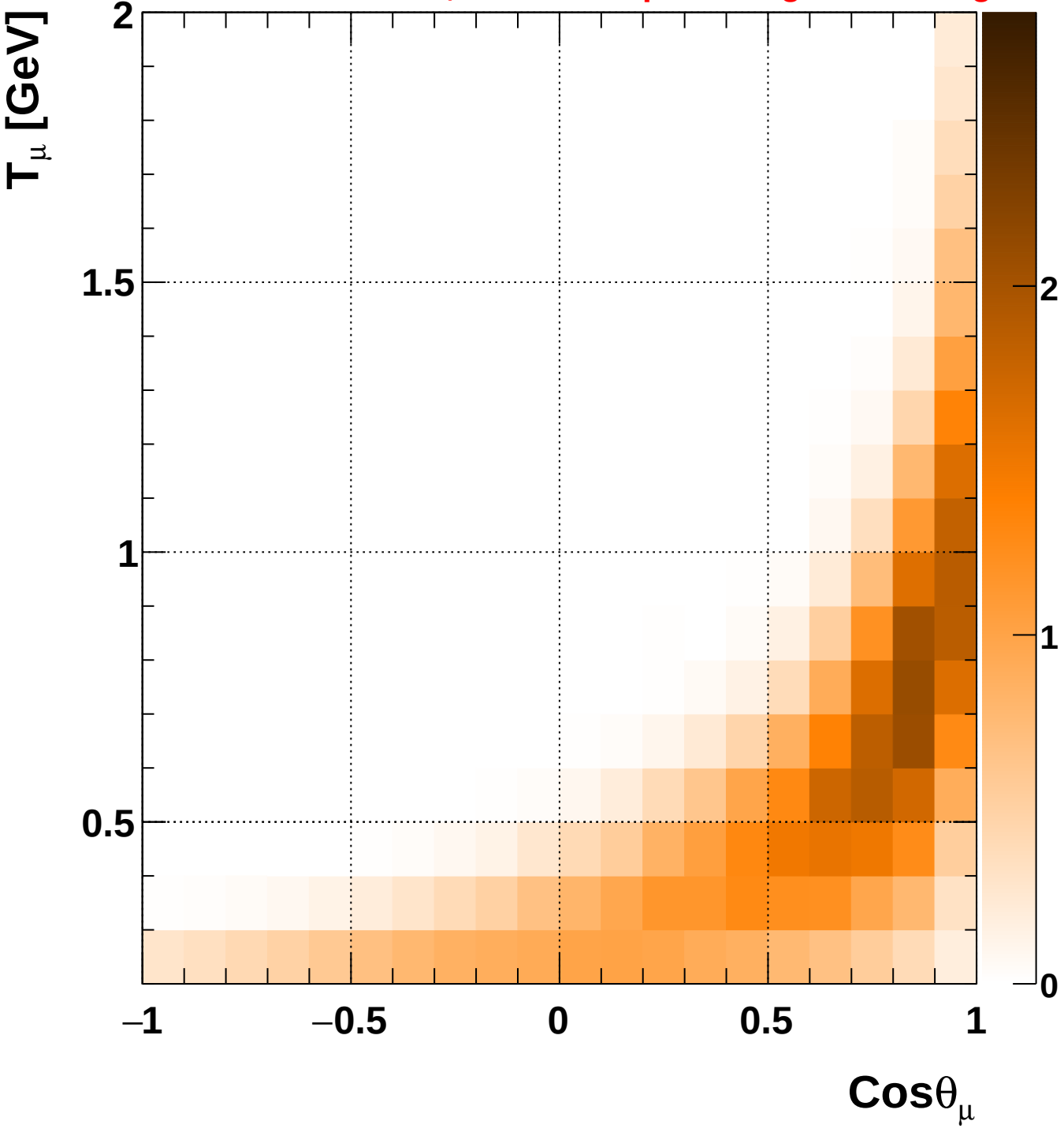
master/G18_02a_00_000 χ^2 = 338 / 137 DoF

Plot:

$\partial^2\sigma(\nu_\mu$ **CC 0**π**)/**∂ **Cos**θ_μ**/**∂ T_μ

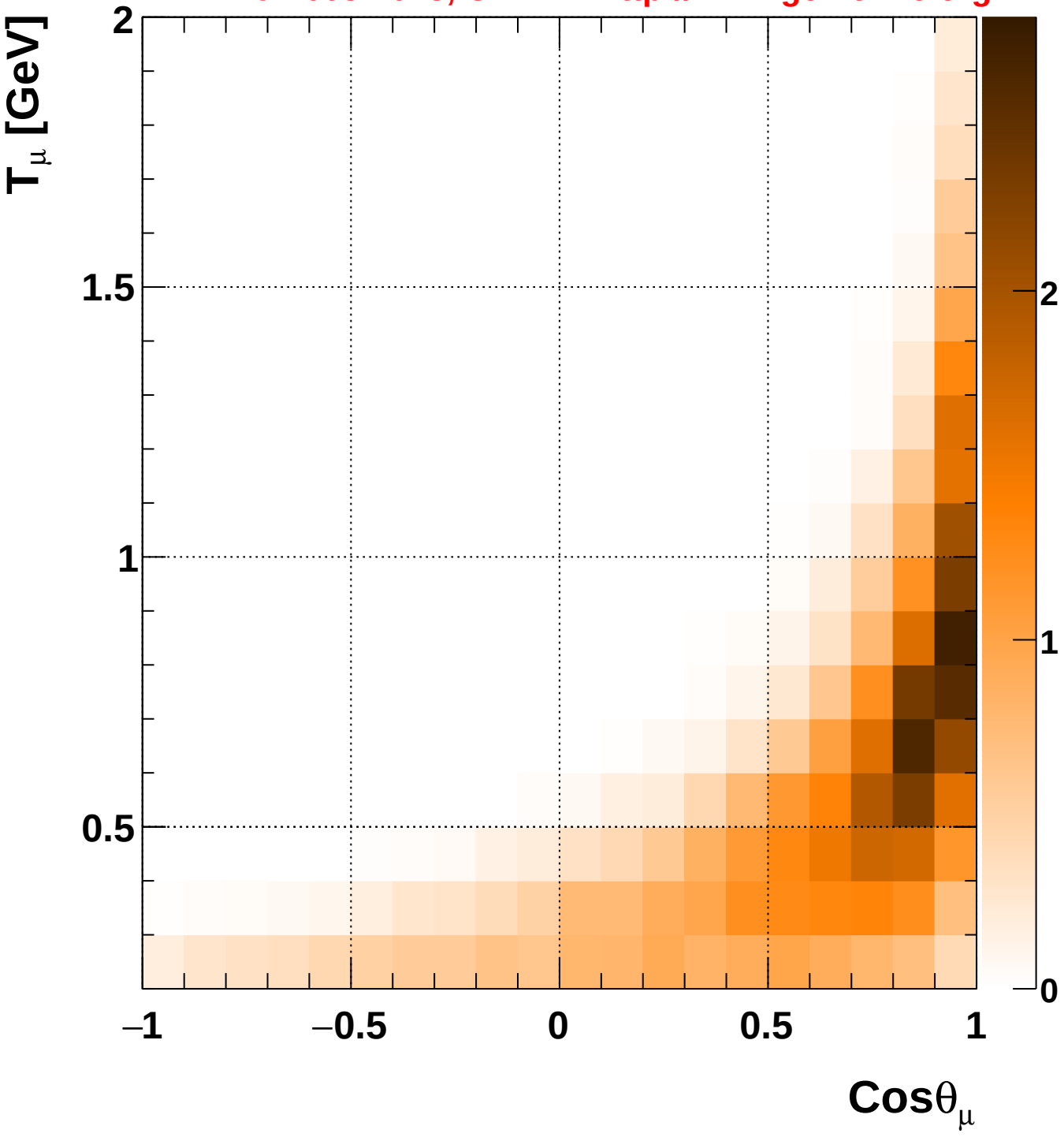
137 DoF, χ^2 = 338

2018/10/15 09:39:59



$\partial^2\sigma(\nu_\mu$ CC $0\pi)/\partial\ \mathrm{Cos}\theta_\mu/\partial\ T_\mu$ [10^{-38} cm^2/GeV/n]

Data: miniboone_nuccqe_2010



$\partial^2\sigma(\nu_\mu$ CC $0\pi)/\partial\ \mathrm{Cos}\theta_\mu/\partial\ T_\mu$ [10^{-38} cm^2/GeV/n]

Pred: master:G18_02a_00_000:miniboone_fhc

miniboone_nuccqe_2010

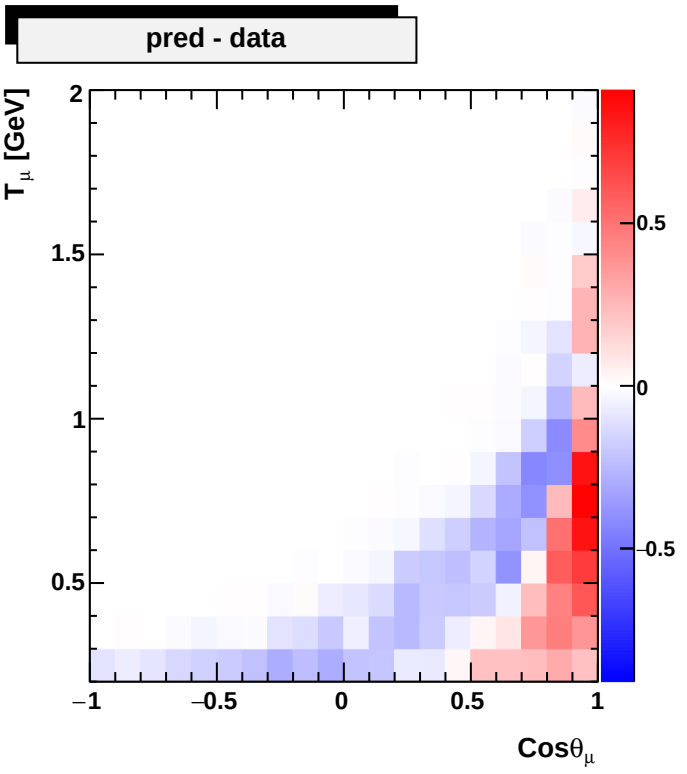
VS

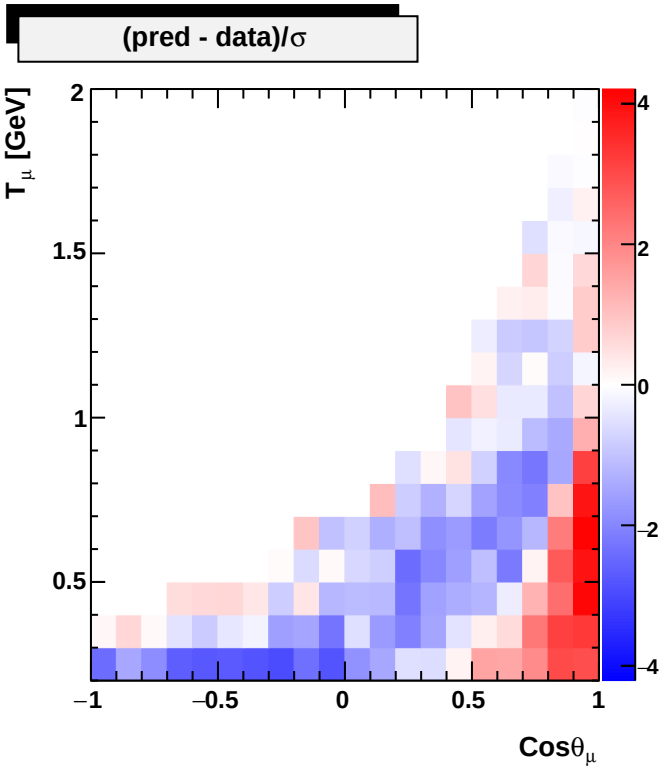
master:G18_02a_00_000:miniboone_fhc

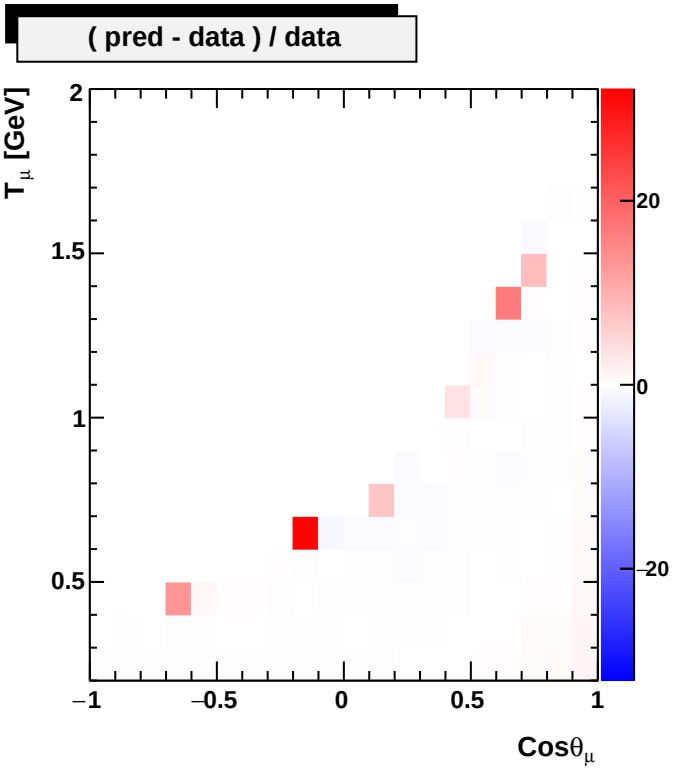
$\partial^2\sigma(\nu_\mu$ **CC 0**$\pi)/\partial$ **Cos**θ_μ/∂ **T**$_\mu$

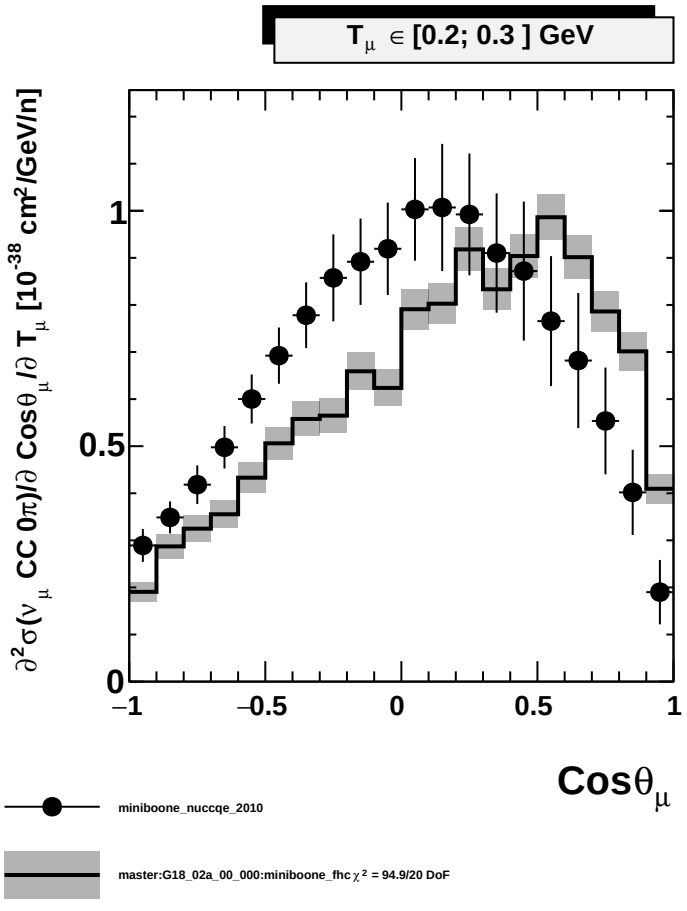
[10^{-38} **cm**^{2}**/GeV/n]**

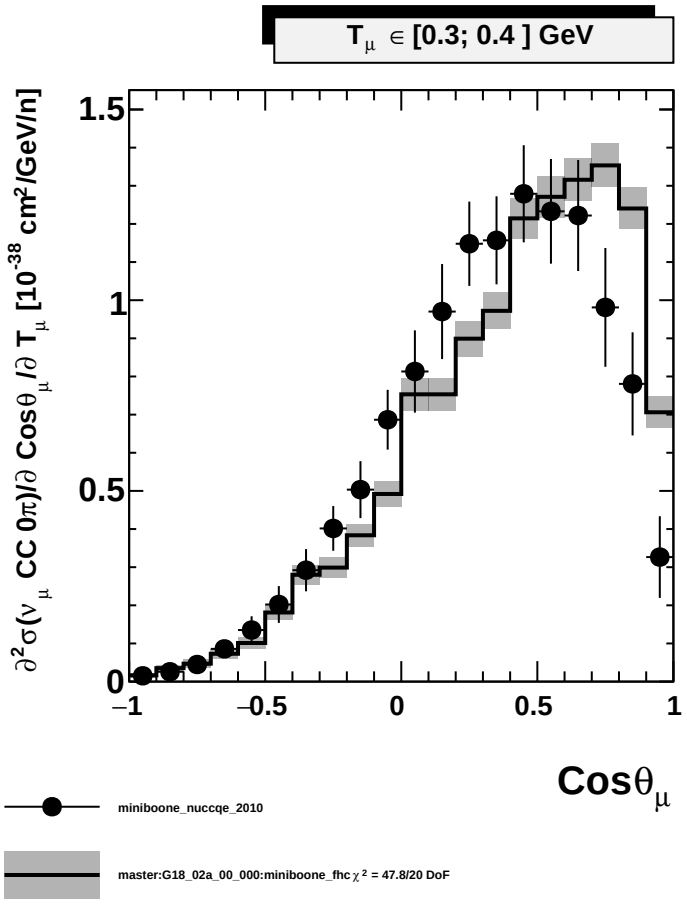
χ^2 **= 337.661/137 DoF**

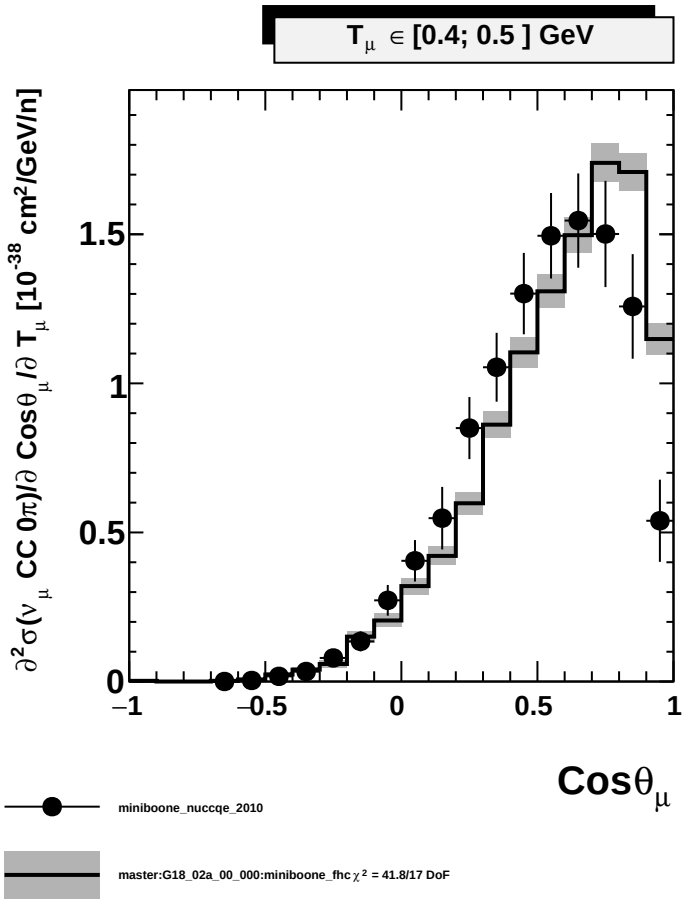


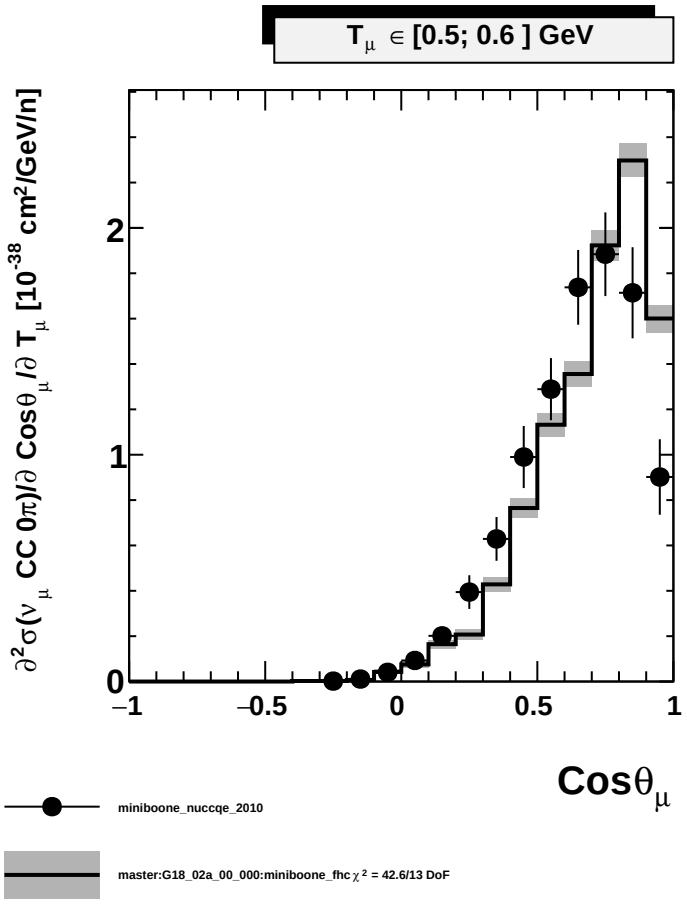


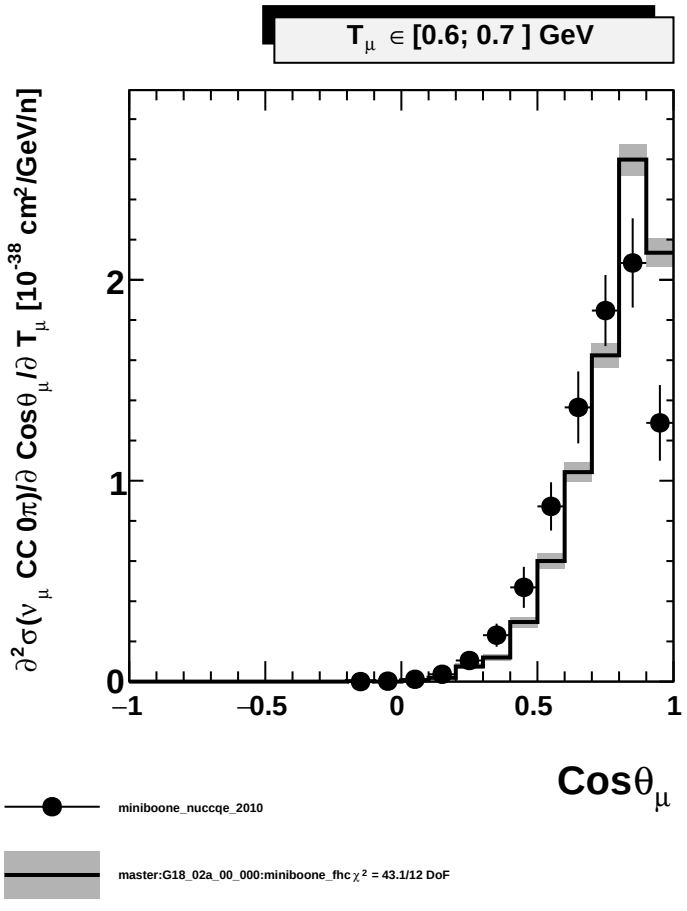


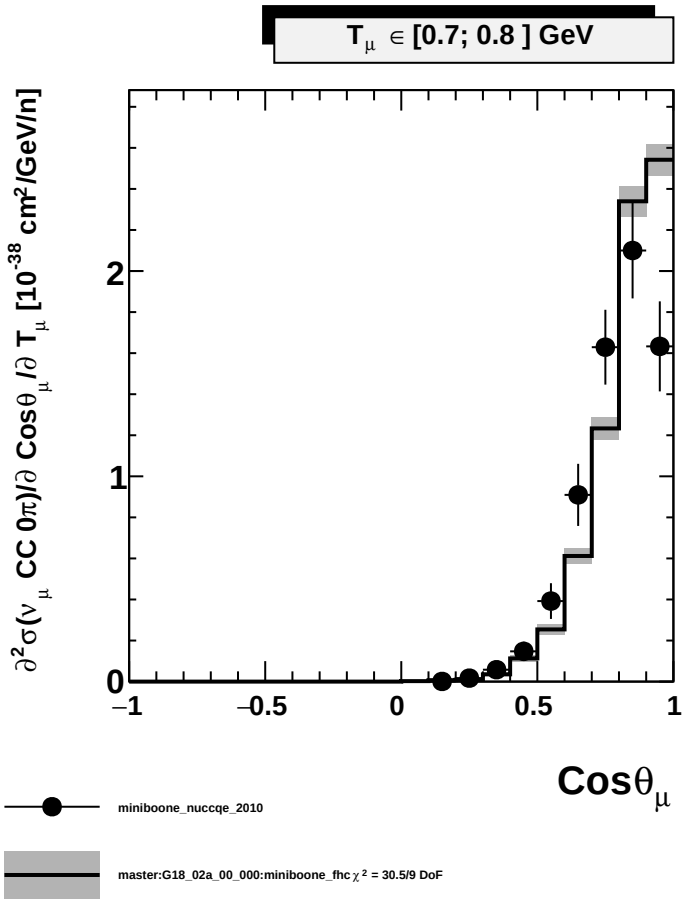

$T_\mu \in [0.2; 0.3]$ GeV
$\partial^2\sigma(\nu_\mu$ CC $0\pi)/\partial$ Cos$\theta_\mu/\partial T_{\mu_\mu}$ [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 94.9/20 DoF

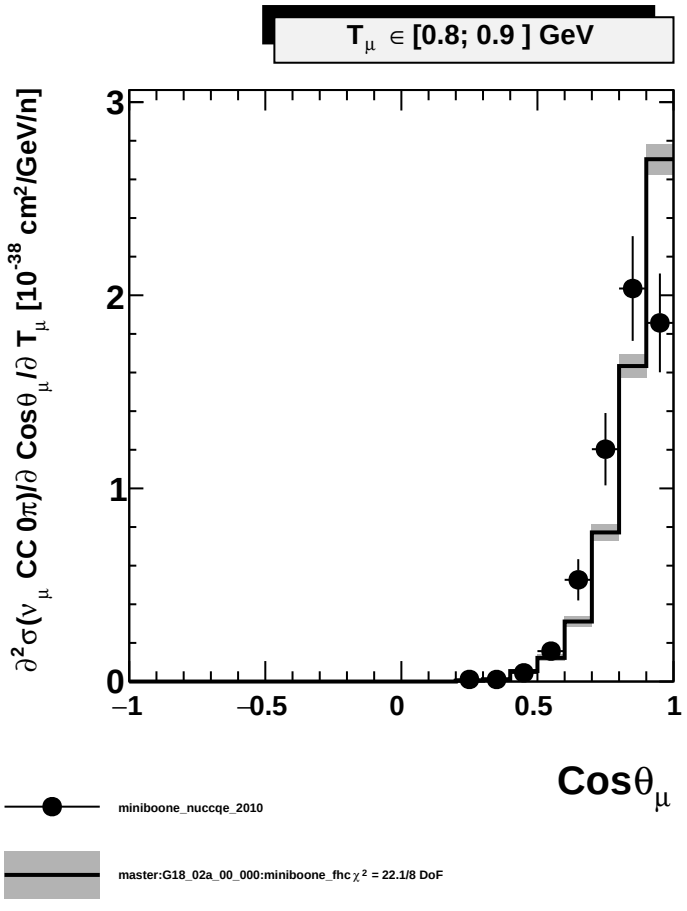

$T_\mu \in [0.3; 0.4]$ GeV
$\partial^2\sigma(\nu_\mu$ CC $0\pi)/\partial$ Cos$\theta_\mu/\partial T_{\mu_\mu}$ [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 47.8/20 DoF

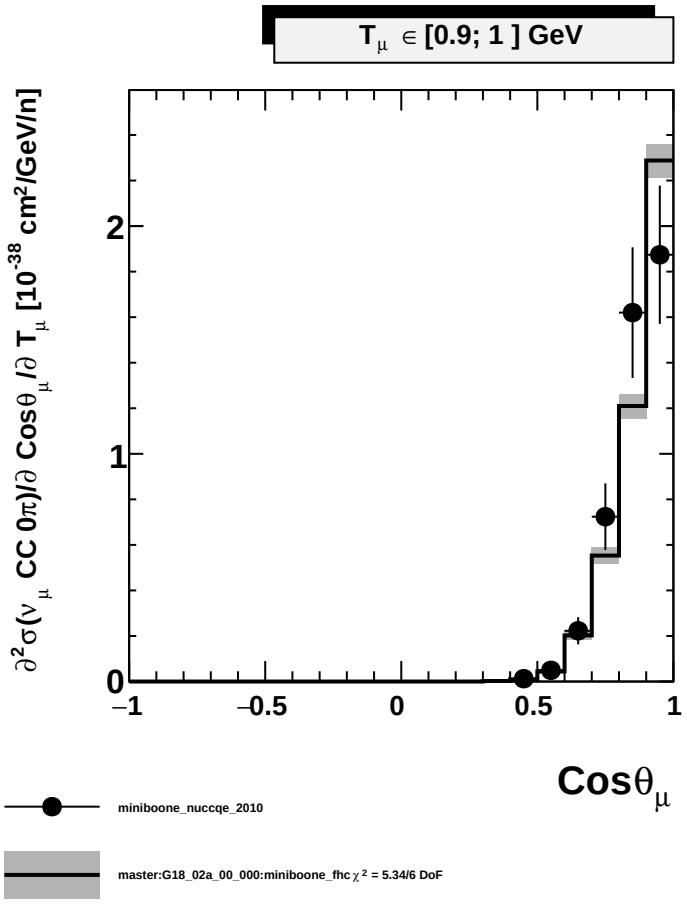

$T_\mu \in [0.4; 0.5]$ GeV
$\partial^2\sigma(\nu_\mu$ CC $0\pi)/\partial$ Cos$\theta_\mu/\partial T_{\mu_\mu}$ [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 41.8/17 DoF

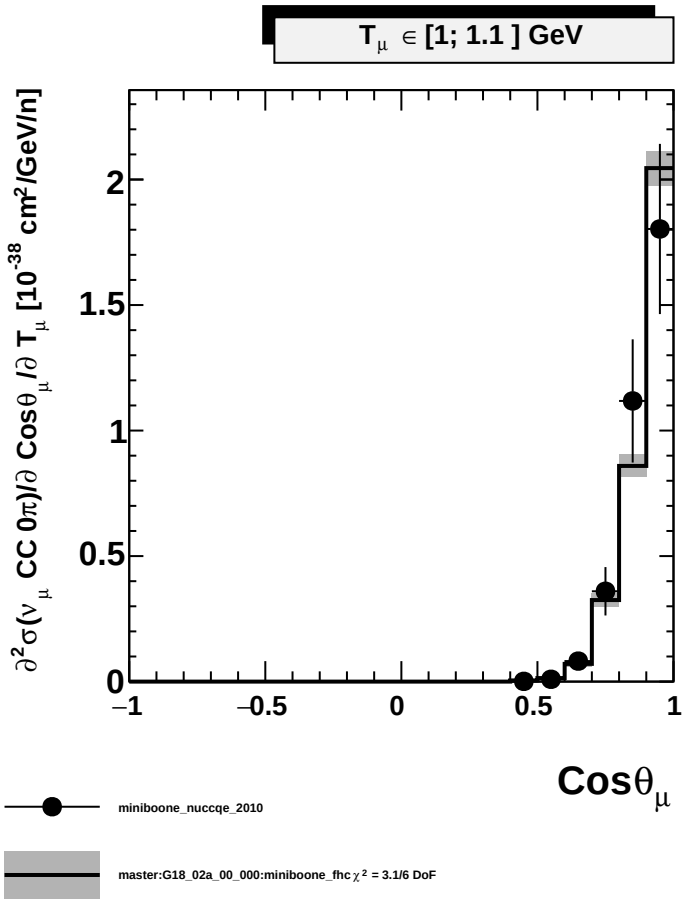

$T_\mu \in [0.5; 0.6]$ GeV
$\partial^2\sigma(\nu_\mu$ CC $0\pi)/\partial$ Cos$\theta_\mu/\partial T_{\mu_\mu}$ [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 42.6/13 DoF

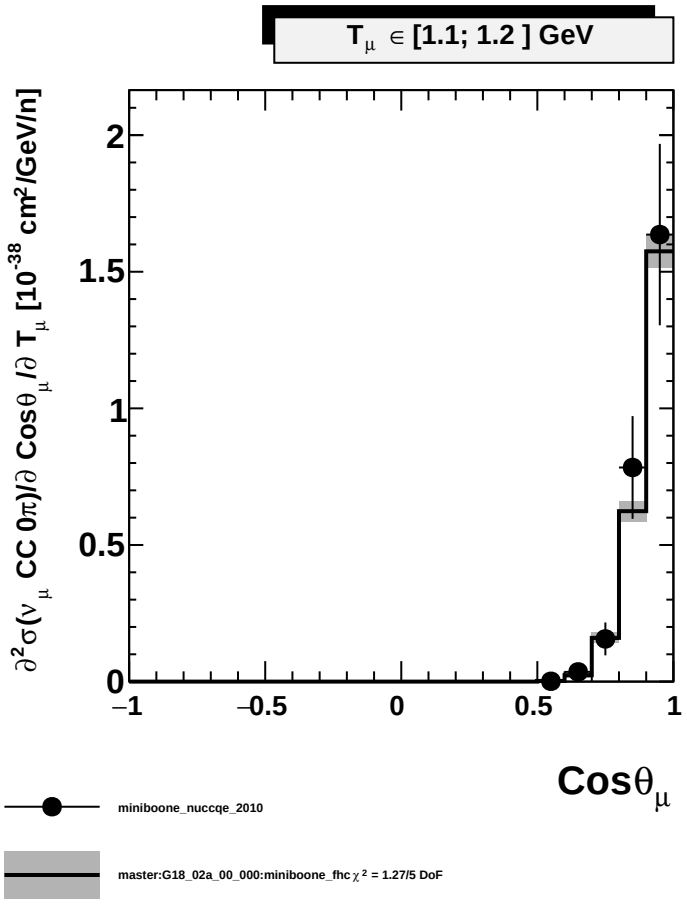

$T_\mu \in [0.6; 0.7]$ GeV
$\partial^2\sigma(\nu_\mu$ CC 0π)/∂ Cosθ_{μ} /∂ T_{μ} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 43.1/12 DoF

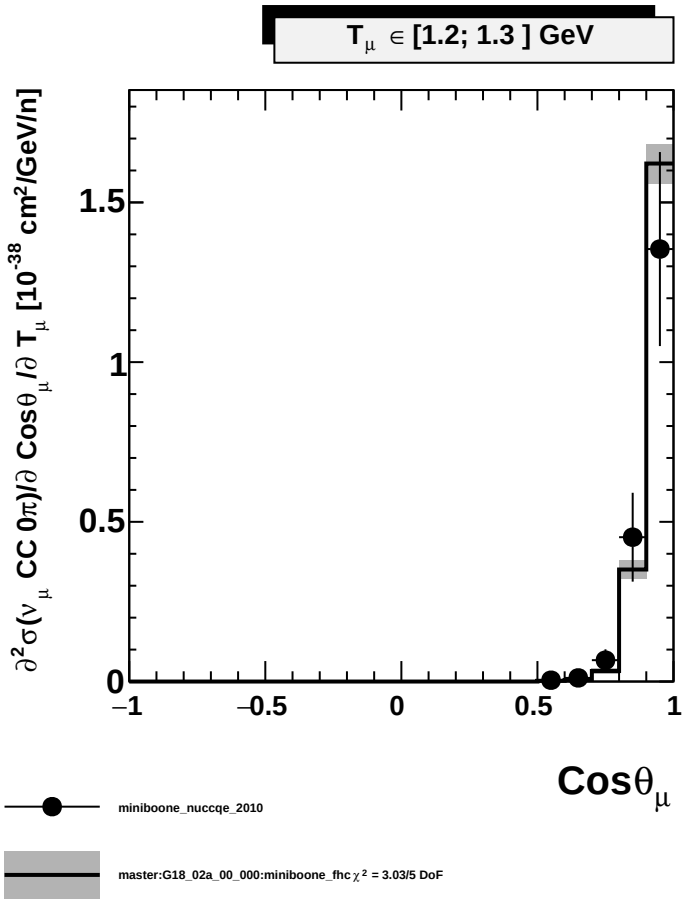

$T_\mu \in [0.7; 0.8]$ GeV
$\partial^2\sigma(\nu_\mu$ CC 0π)/∂ Cosθ_{μ} /∂ T_{μ} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 30.5/9 DoF

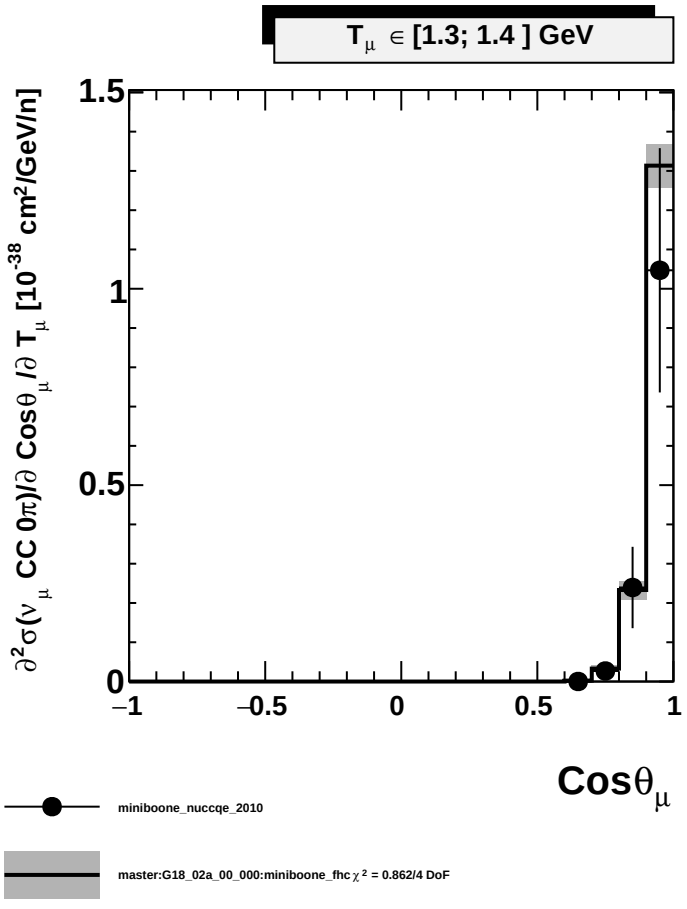

$T_\mu \in [0.8; 0.9]$ GeV
$\partial^2\sigma(\nu_\mu$ CC 0π)/∂ Cosθ_{μ} /∂ T_{μ} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 22.1/8 DoF

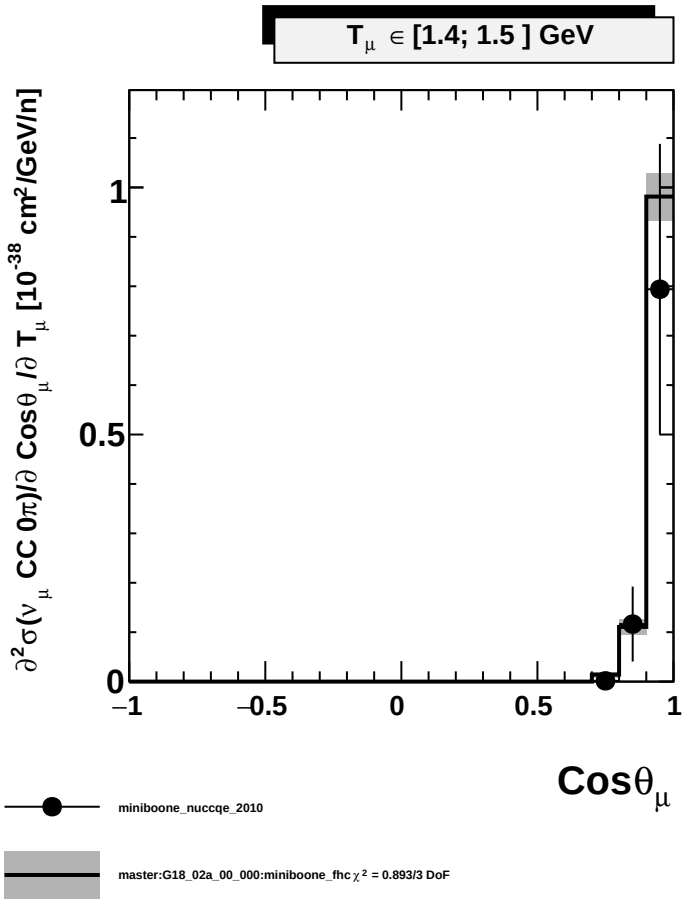

$T_\mu \in [0.9; 1]$ GeV
$\partial^2\sigma(\nu_\mu$ CC 0π)/∂ Cosθ_{μ} /∂ T_{μ} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 5.34/6 DoF

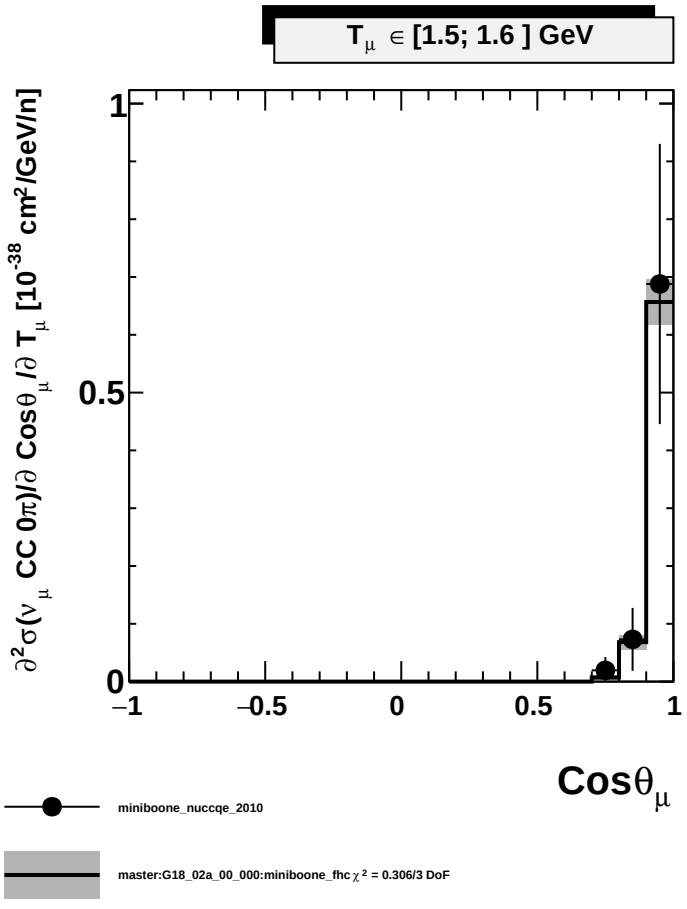

$T_\mu \in$ [1; 1.1] GeV
$\partial^2\sigma(\nu_\mu$ CC 0π)/∂ Cosθ_{μ} /∂ T_{μ} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 3.1/6 DoF

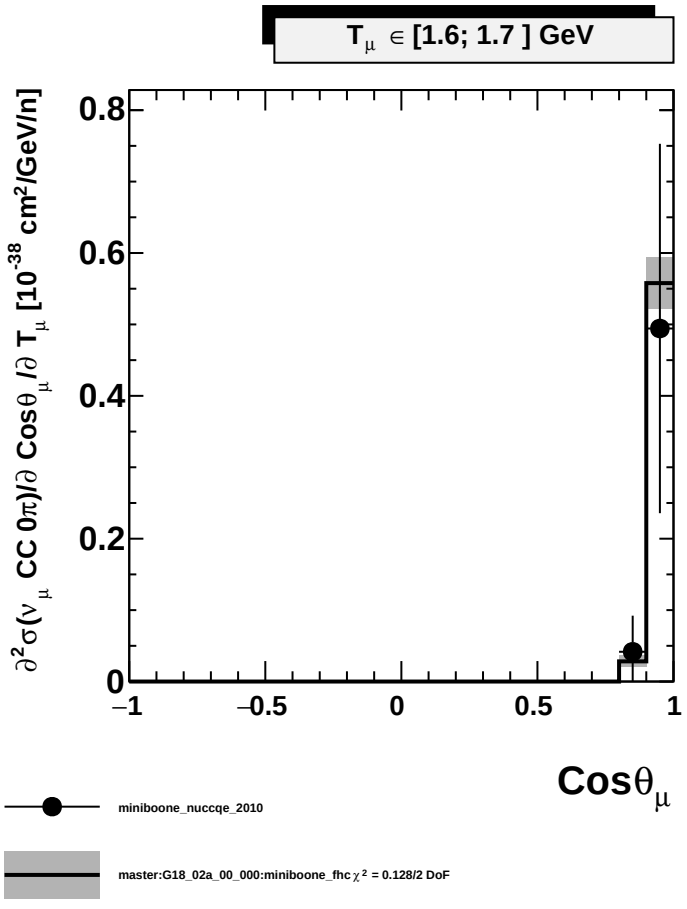

$T_\mu \in$ [1.1; 1.2] GeV
$\partial^2\sigma(\nu_\mu$ CC 0π)/∂ Cosθ_{μ} /∂ T_{μ} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 1.27/5 DoF

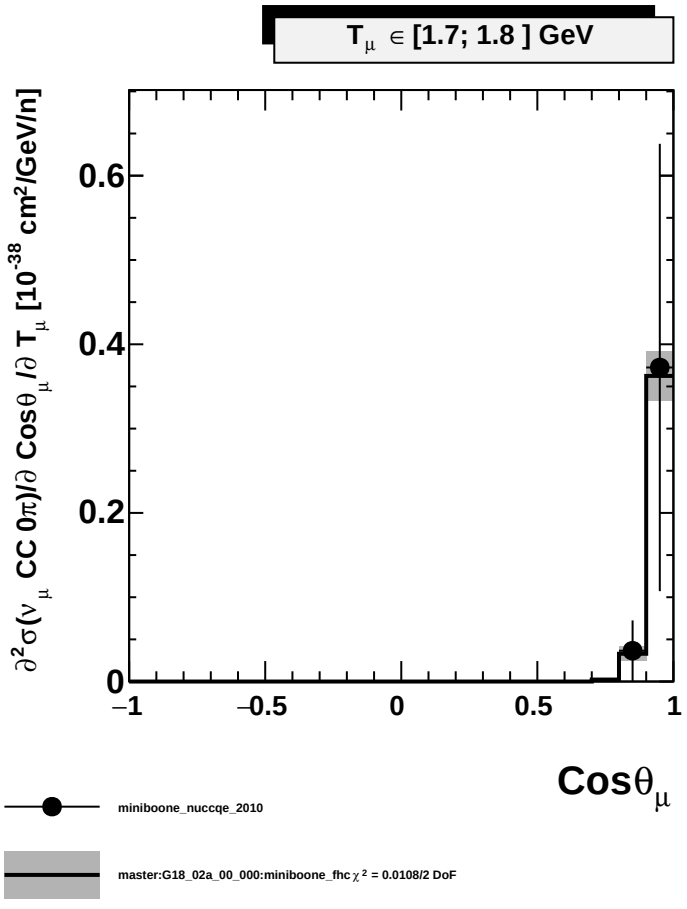

$T_\mu \in$ [1.2; 1.3] GeV
$\partial^2\sigma(\nu_\mu$ CC 0π)/∂ Cosθ_{μ} /∂ T_{μ} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 3.03/5 DoF

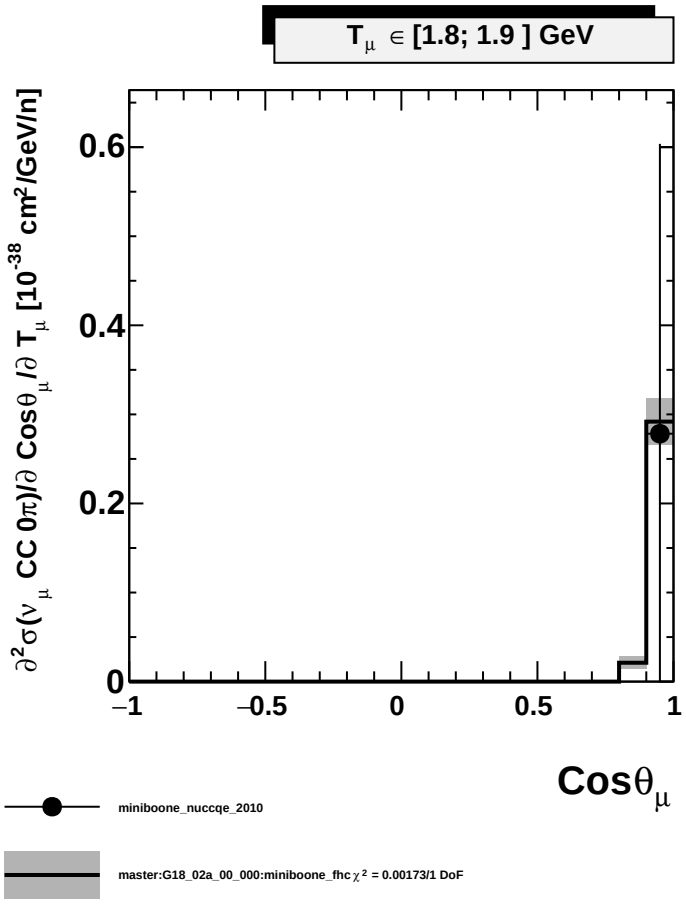

$T_\mu \in$ [1.3; 1.4] GeV
$\partial^2\sigma(\nu_\mu$ CC 0π)/∂ Cosθ_{μ} /∂ T_{μ} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 0.862/4 DoF

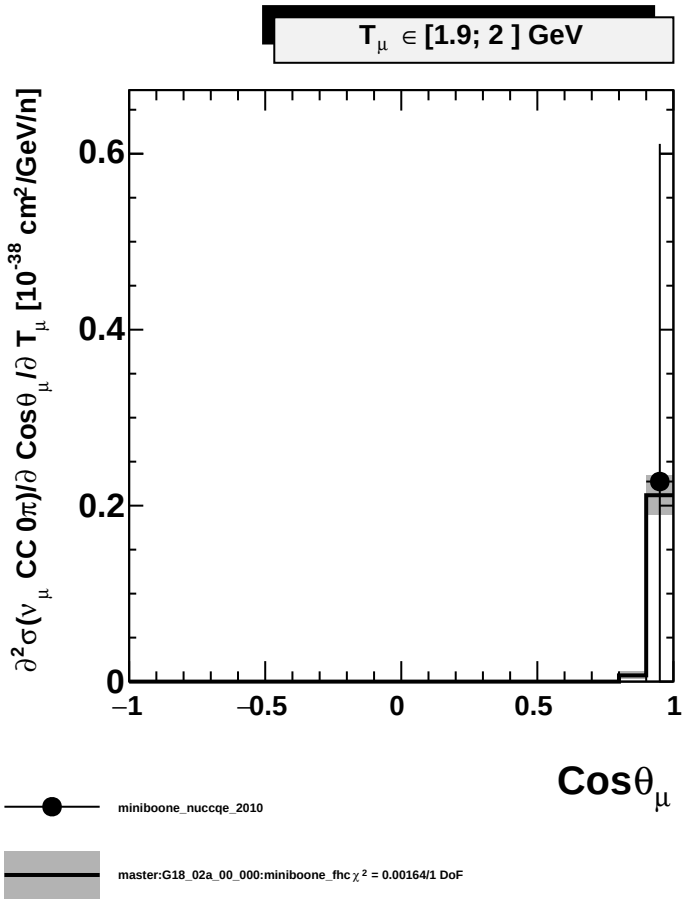

$T_\mu \in$ [1.4; 1.5] GeV
$\partial^2\sigma(\nu_\mu$ CC 0π)/∂ Cosθ_{μ} /∂ T_{μ} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 0.893/3 DoF

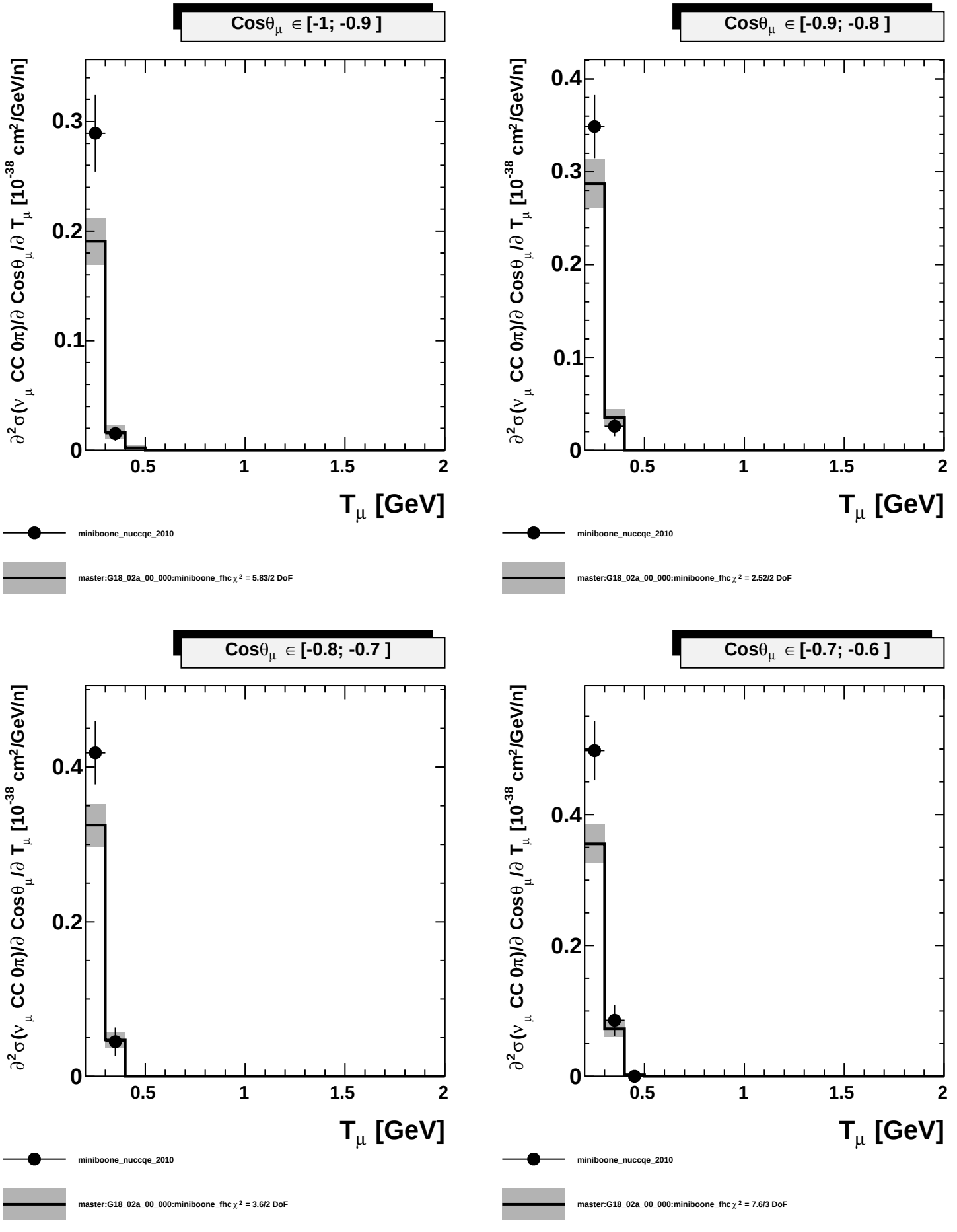

$T_\mu \in$ [1.5; 1.6] GeV
$\partial^2\sigma(\nu_\mu$ CC 0π)/∂ Cosθ_{μ} /∂ T_{μ} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 0.306/3 DoF

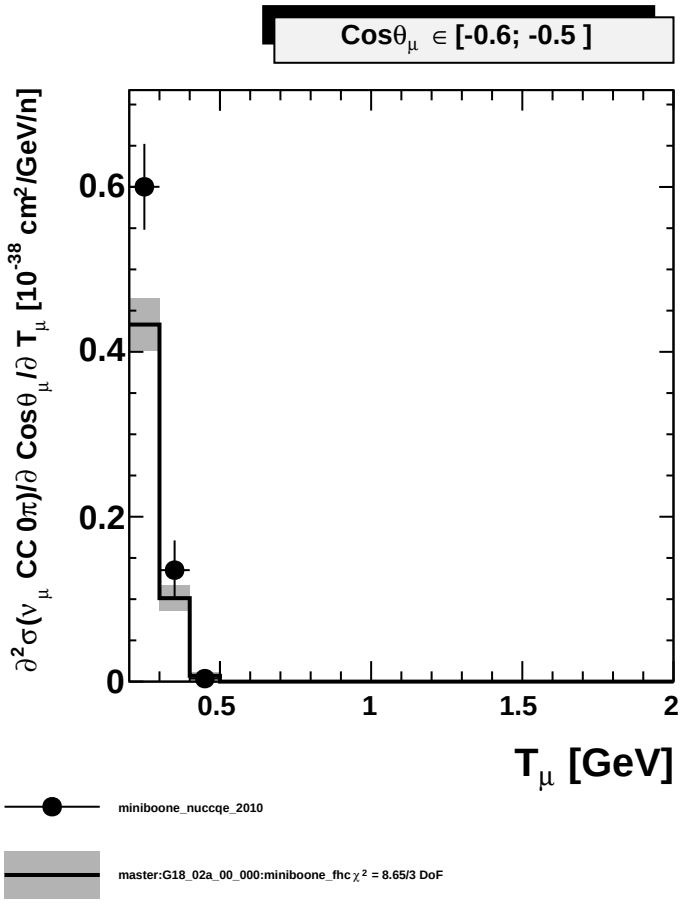

$T_\mu \in$ [1.6; 1.7] GeV
$\partial^2\sigma(\nu_\mu$ CC 0π)/∂ Cosθ_{μ} /∂ T_{μ} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 0.128/2 DoF

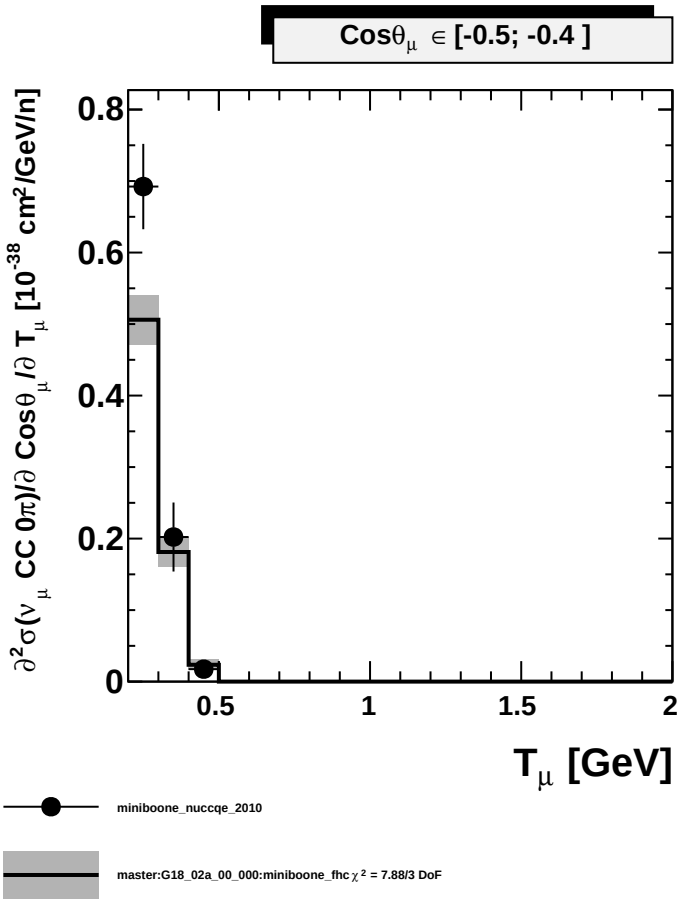

$T_\mu \in$ [1.7; 1.8] GeV
$\partial^2\sigma(\nu_\mu$ CC 0π)/∂ Cosθ_{μ} /∂ T_{μ} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 0.0108/2 DoF

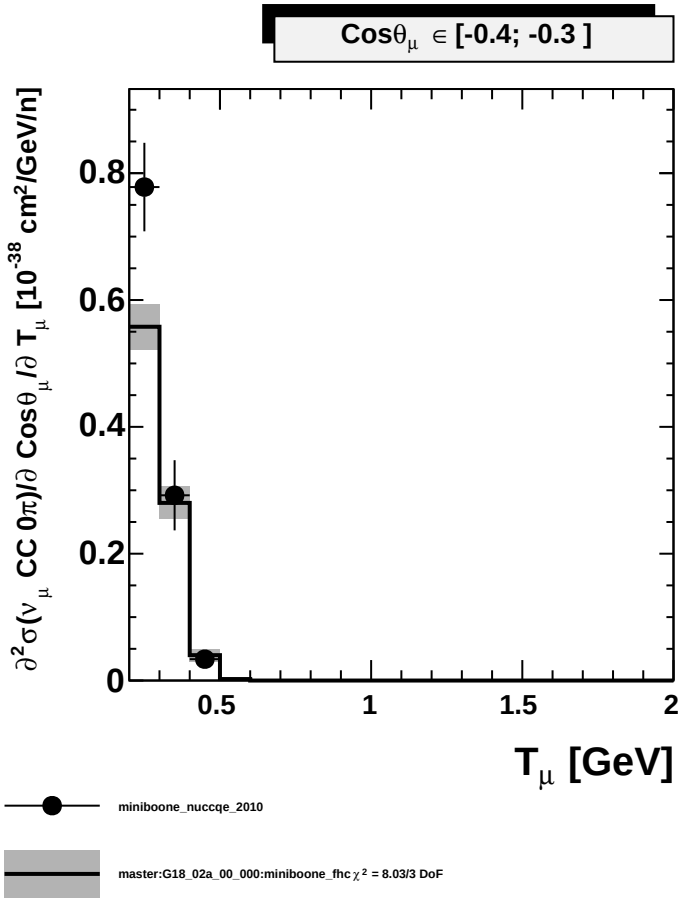

$T_\mu \in$ [1.8; 1.9] GeV
$\partial^2\sigma(\nu_\mu$ CC 0π)/∂ Cosθ_μ /∂ T_μ [10^{-38} cm^2/GeV/n]
0.6
0.4
0.2
0
−1
−0.5
0
0.5
1
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 0.00173/1 DoF

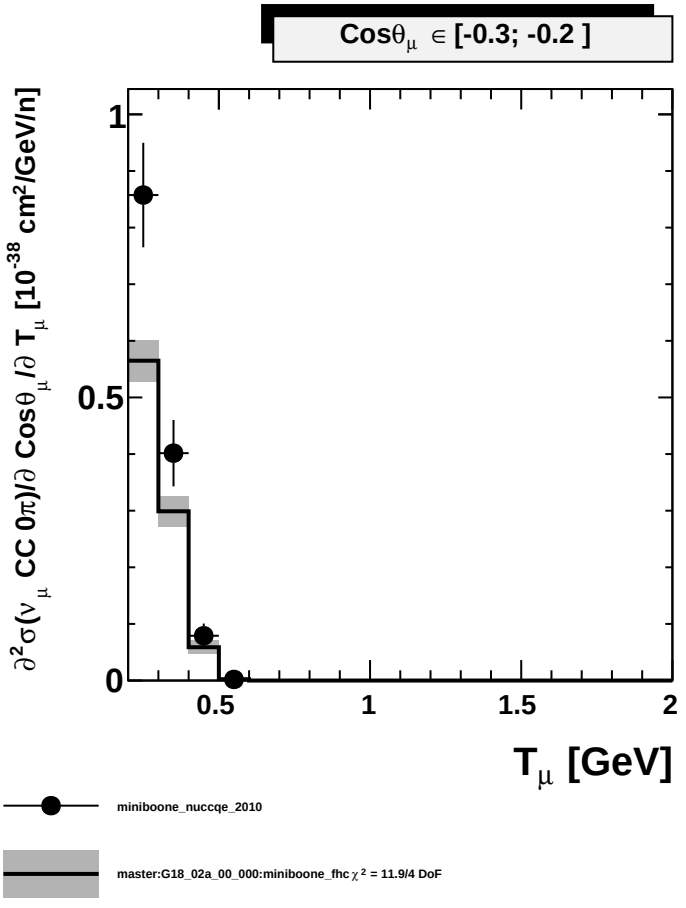

$T_\mu \in$ [1.9; 2] GeV
$\partial^2\sigma(\nu_\mu$ CC 0π)/∂ Cosθ_μ /∂ T_μ [10^{-38} cm^2/GeV/n]
0.6
0.4
0.2
0
−1
−0.5
0
0.5
1
Cosθ_μ
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ^2 = 0.00164/1 DoF

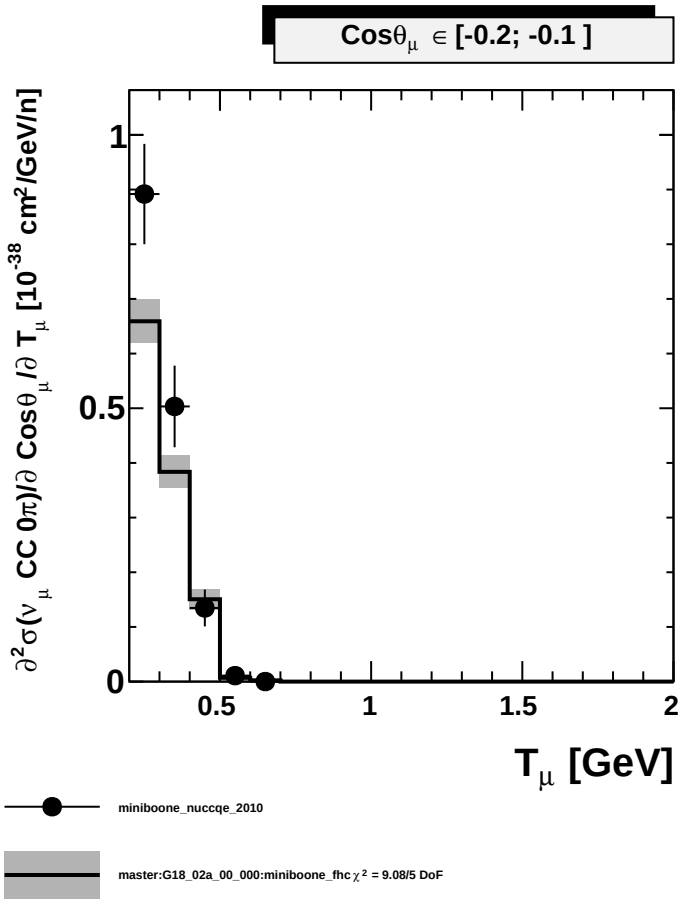

Cosθμ ∈ [-1; -0.9]
Cosθμ ∈ [-0.9; -0.8]
Cosθμ ∈ [-0.8; -0.7]
Cosθμ ∈ [-0.7; -0.6]
∂²σ(νμ CC 0π)/∂ Cosθμπ/∂ Tμπ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ² = 5.83/2 DoF
master:G18_02a_00_000:miniboone_fhc χ² = 2.52/2 DoF
master:G18_02a_00_000:miniboone_fhc χ² = 3.6/2 DoF
master:G18_02a_00_000:miniboone_fhc χ² = 7.6/3 DoF

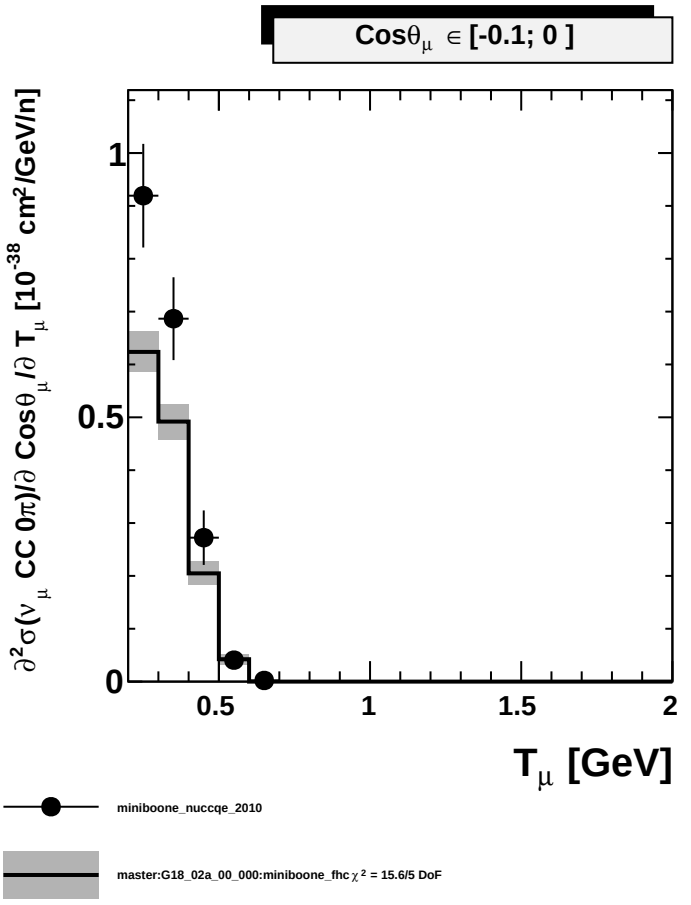

Cosθμ ∈ [-0.6; -0.5]
∂²σ(νμ CC 0π)/∂ Cosθμπ /∂ Tμπ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ² = 8.65/3 DoF

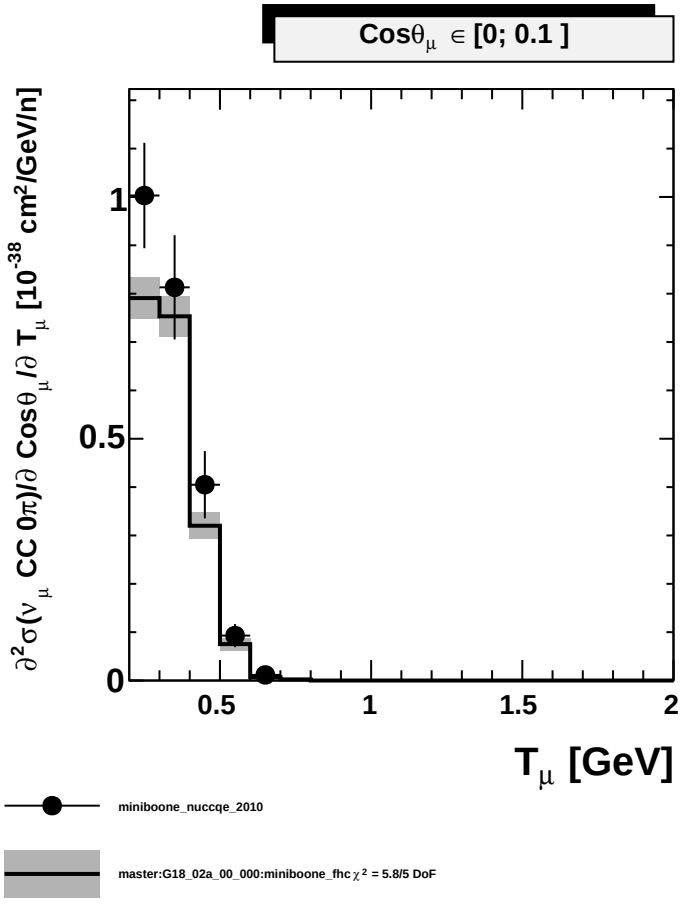

Cosθμ ∈ [-0.5; -0.4]
∂²σ(νμ CC 0π)/∂ Cosθμπ /∂ Tμπ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ² = 7.88/3 DoF

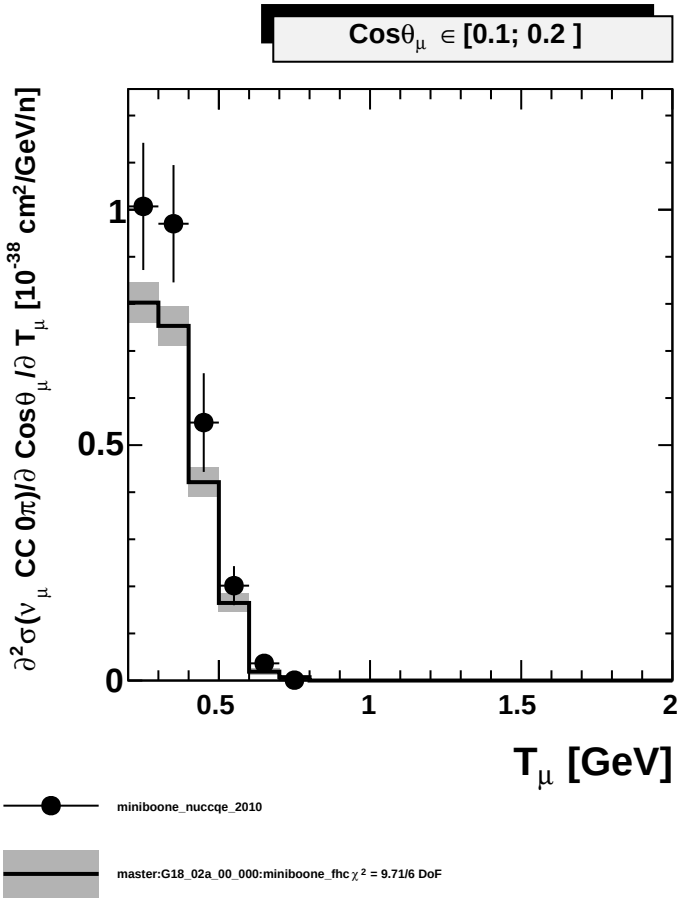

Cosθμ ∈ [-0.4; -0.3]
∂²σ(νμ CC 0π)/∂ Cosθμπ /∂ Tμπ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ² = 8.03/3 DoF

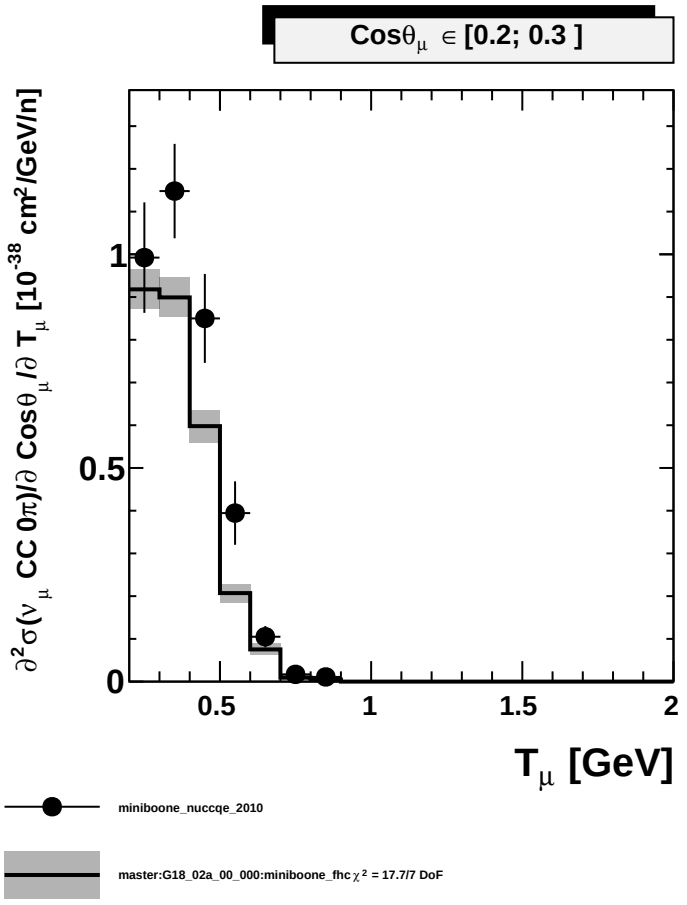

Cosθμ ∈ [-0.3; -0.2]
∂²σ(νμ CC 0π)/∂ Cosθμπ /∂ Tμπ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ² = 11.9/4 DoF

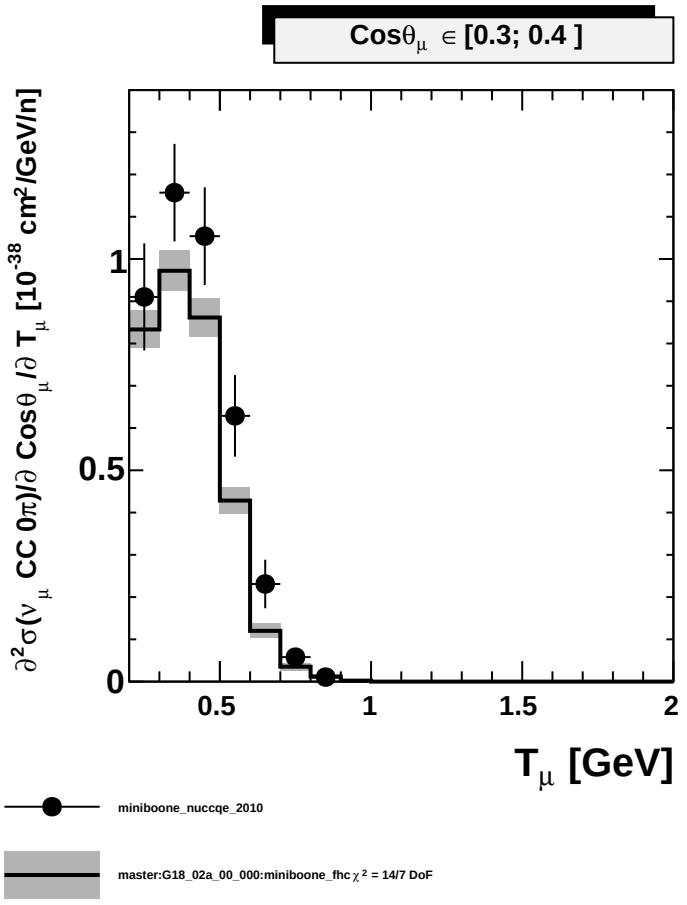

Cosθμ ∈ [-0.2; -0.1]
∂²σ(νμ CC 0π)/∂ Cosθμπ/∂ Tμπ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ² = 9.08/5 DoF

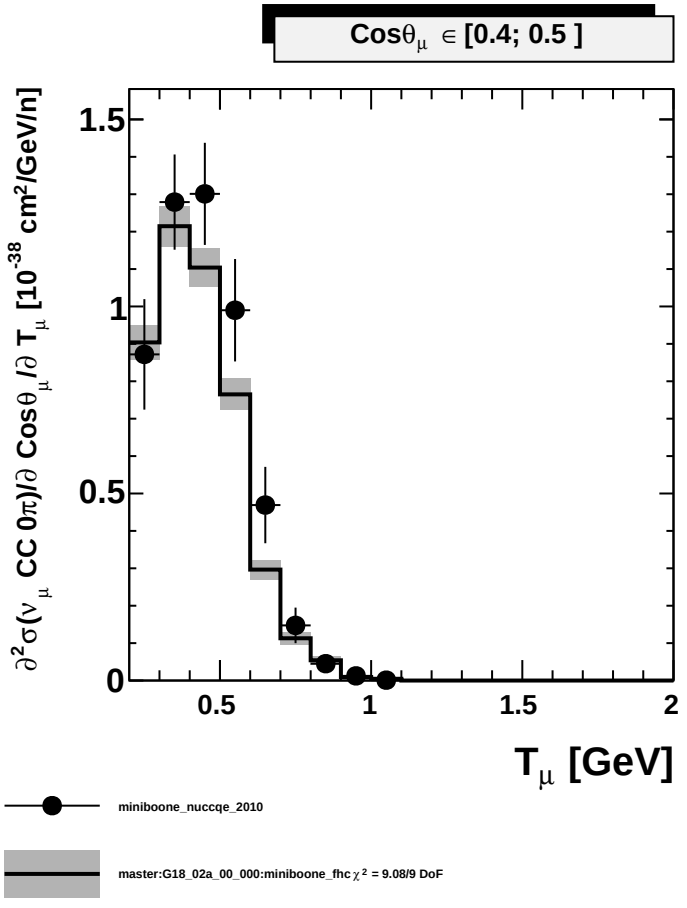

Cosθμ ∈ [-0.1; 0]
∂²σ(νμ CC 0π)/∂ Cosθμπ/∂ Tμπ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ² = 15.6/5 DoF

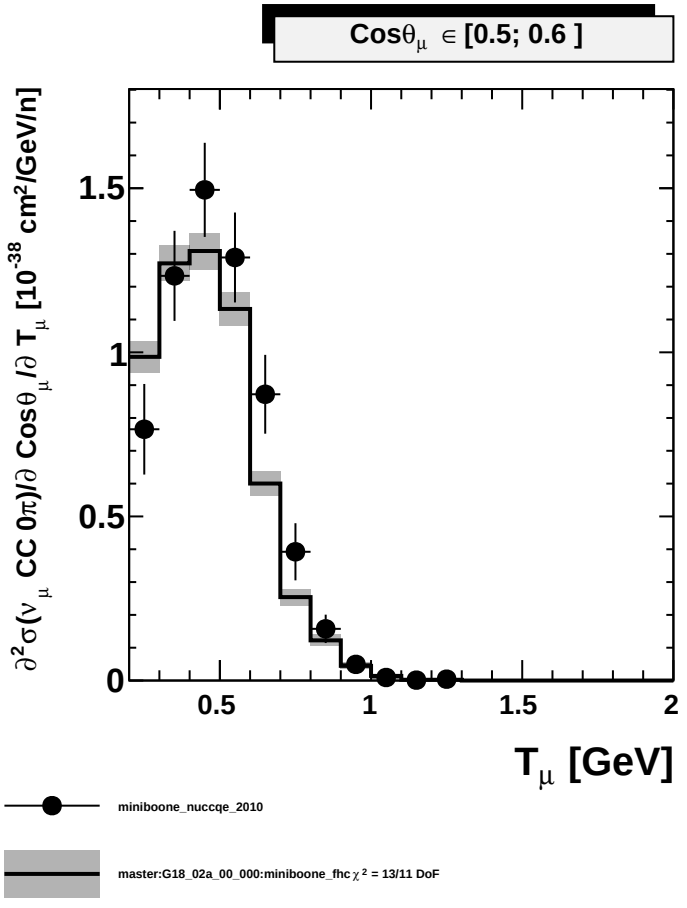

Cosθμ ∈ [0; 0.1]
∂²σ(νμ CC 0π)/∂ Cosθμπ/∂ Tμπ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ² = 5.8/5 DoF

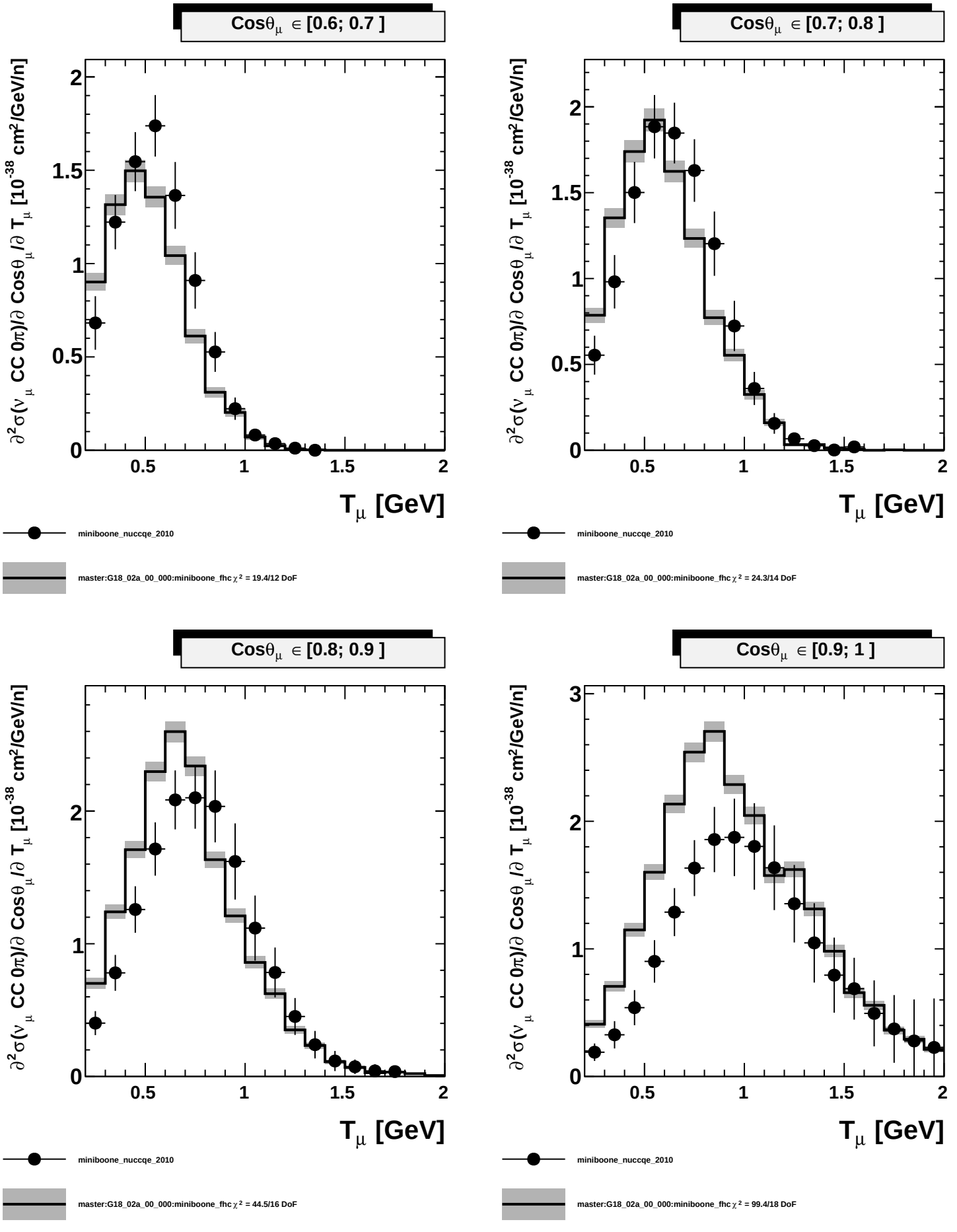

Cosθμ ∈ [0.1; 0.2]
∂²σ(νμ CC 0π)/∂ Cosθμπ/∂ Tμπ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ² = 9.71/6 DoF


Cosθμ ∈ [0.2; 0.3]
∂²σ(νμ CC 0π)/∂ Cosθμπ /∂ Tμπ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ² = 17.7/7 DoF


Cosθμ ∈ [0.3; 0.4]
∂²σ(νμ CC 0π)/∂ Cosθμπ /∂ Tμπ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ² = 14/7 DoF


Cosθμ ∈ [0.4; 0.5]
∂²σ(νμ CC 0π)/∂ Cosθμπ /∂ Tμπ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ² = 9.08/9 DoF


Cosθμ ∈ [0.5; 0.6]
∂²σ(νμ CC 0π)/∂ Cosθμπ /∂ Tμπ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ² = 13/11 DoF


Cosθμ ∈ [0.6; 0.7]
Cosθμ ∈ [0.7; 0.8]
Cosθμ ∈ [0.8; 0.9]
Cosθμ ∈ [0.9; 1]
∂²σ(νμ CC 0π)/∂ Cosθμ /∂ Tμ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nuccqe_2010
master:G18_02a_00_000:miniboone_fhc χ² = 19.4/12 DoF
master:G18_02a_00_000:miniboone_fhc χ² = 24.3/14 DoF
master:G18_02a_00_000:miniboone_fhc χ² = 44.5/16 DoF
master:G18_02a_00_000:miniboone_fhc χ² = 99.4/18 DoF

Dataset:
miniboone_nucc1pi0_2010

Model:
master/G18_02a_00_000 χ^2 = 168 / 74 DoF

Plots:

$\sigma(\nu_\mu + X \rightarrow \mu^- + \pi^0 + Y)$
14 DoF, χ^2 = 22.3

$d\sigma$(CC 1π^0)/dCosθ_μ
9 DoF, χ^2 = 37.6

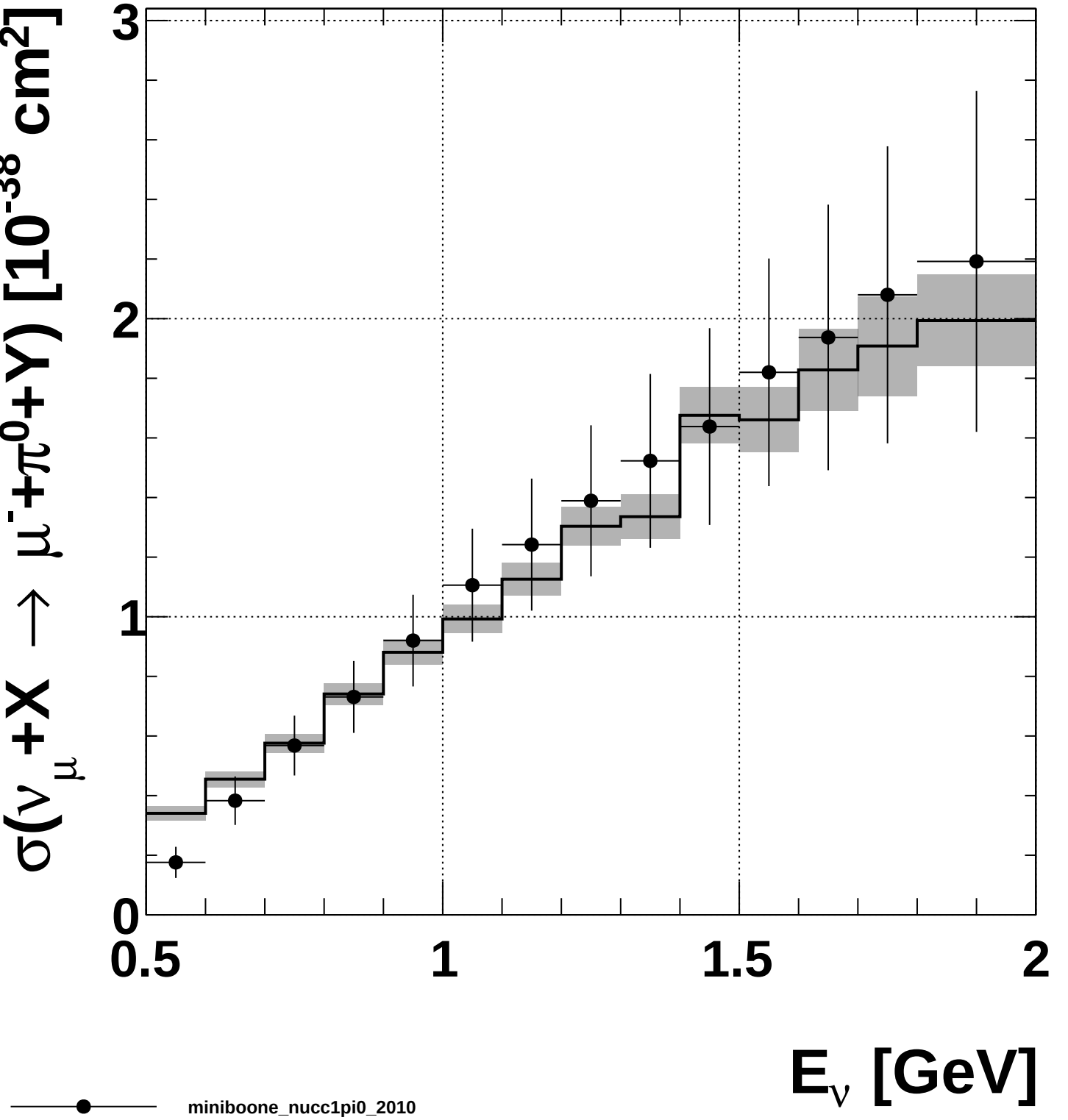
$d\sigma$(CC 1π^0)/dCosθ_{π^0}
15 DoF, χ^2 = 18.5

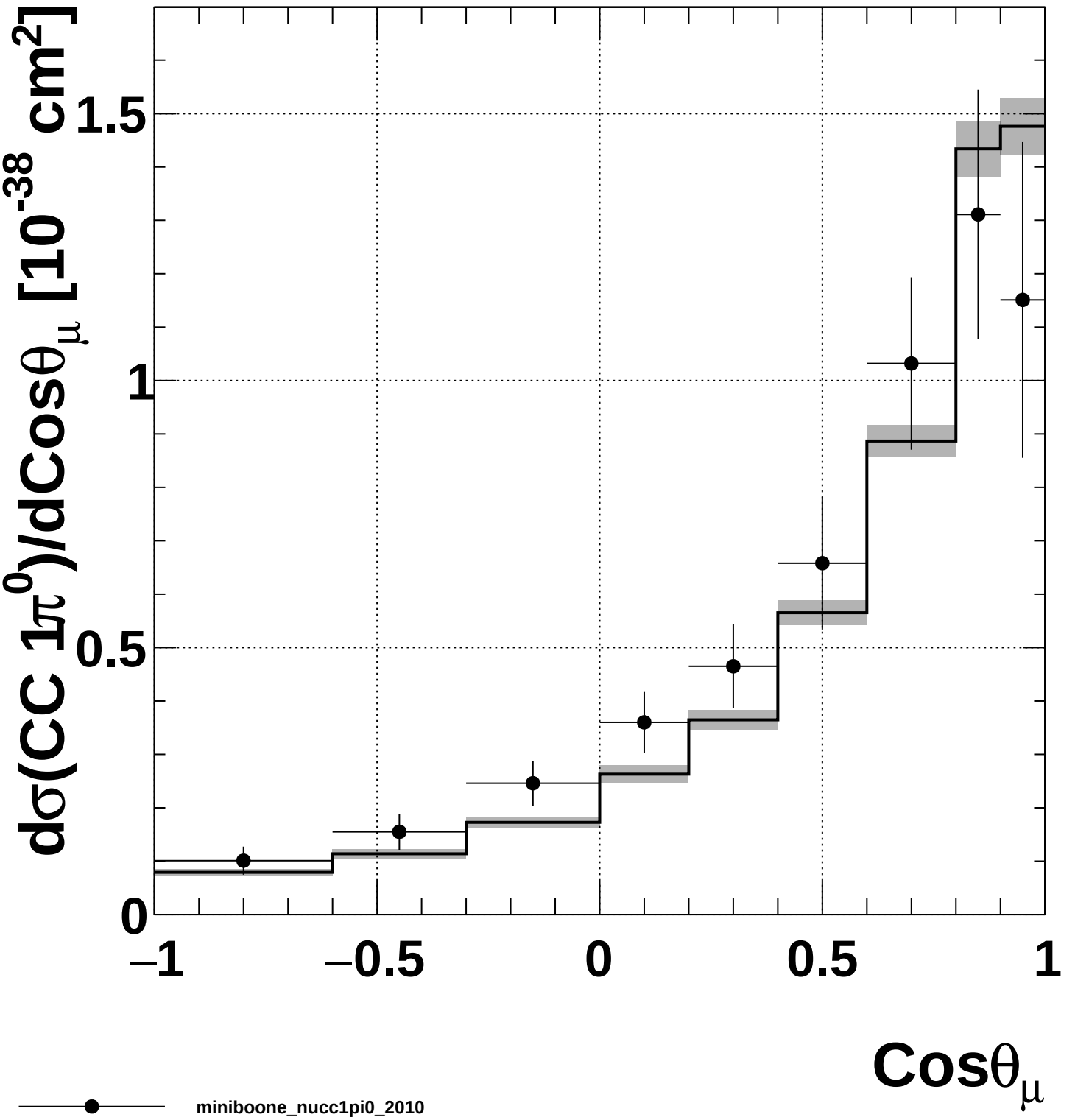
$d\sigma$(CC 1π^0)/dP_{π^0}
11 DoF, χ^2 = 32.2

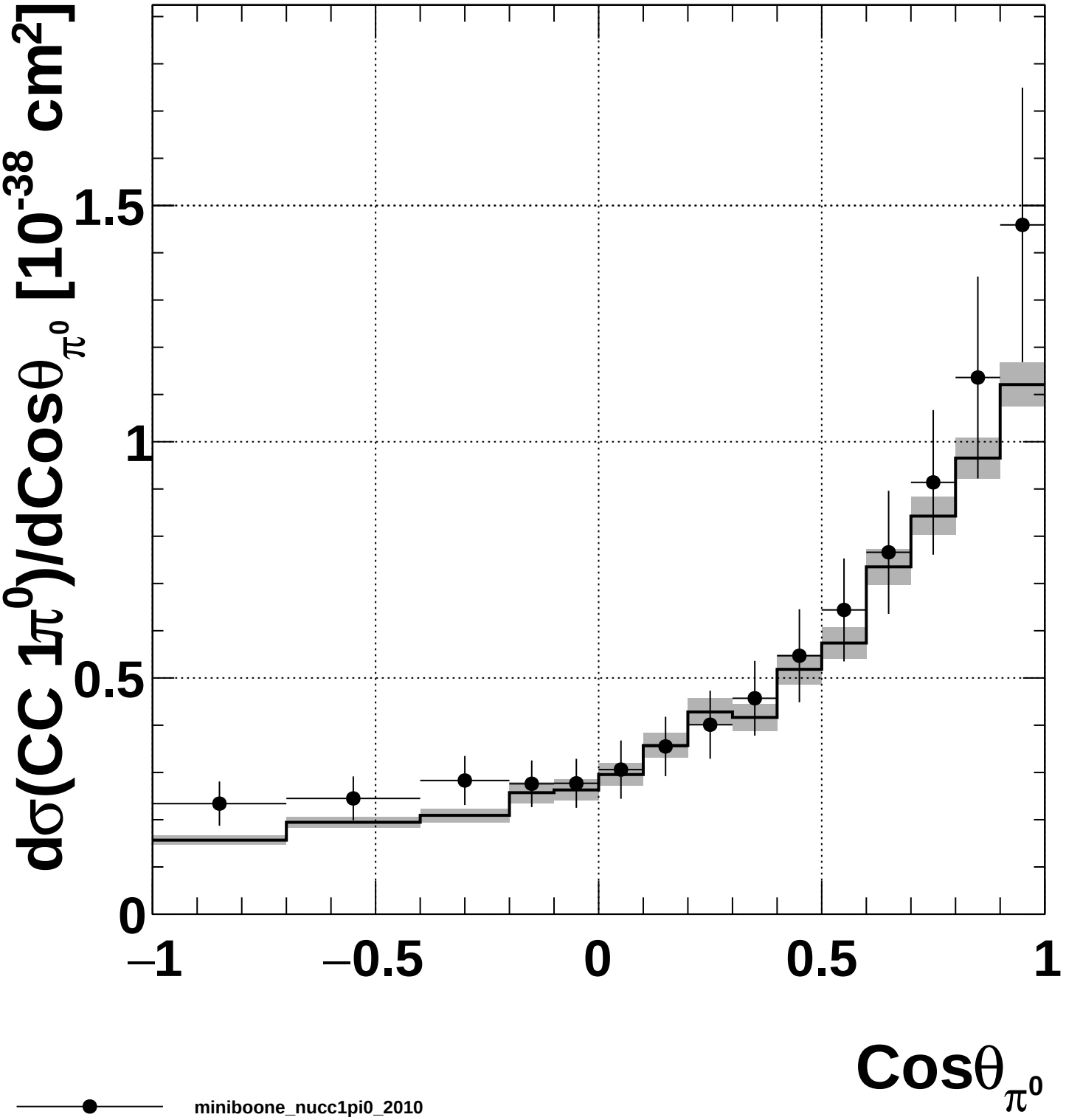
$d\sigma$(CC 1π^0)/dQ^2
12 DoF, χ^2 = 35.1

$d\sigma$(CC 1π^0)/dT_μ
13 DoF, χ^2 = 22.4

2018/10/15 09:39:59

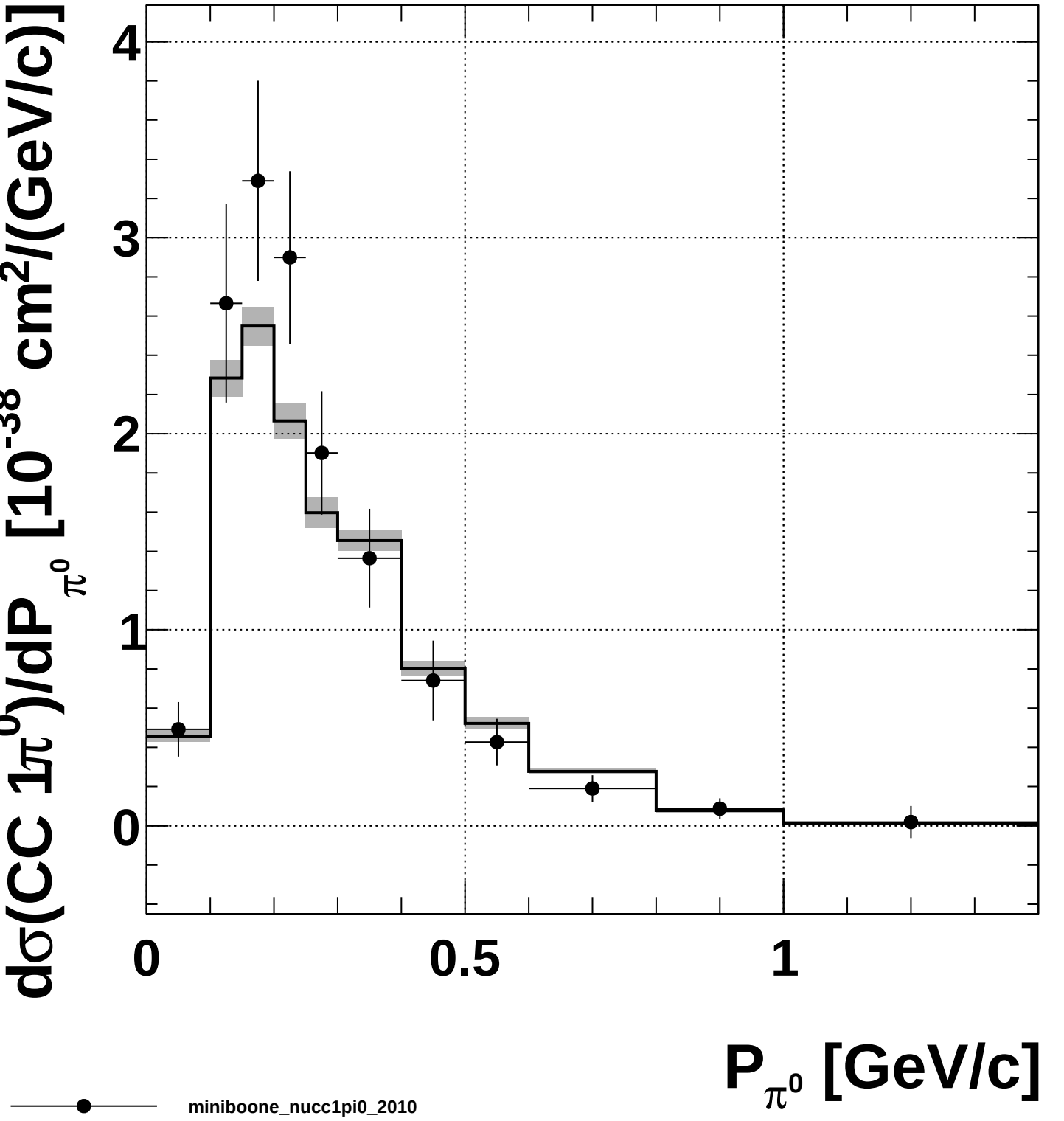


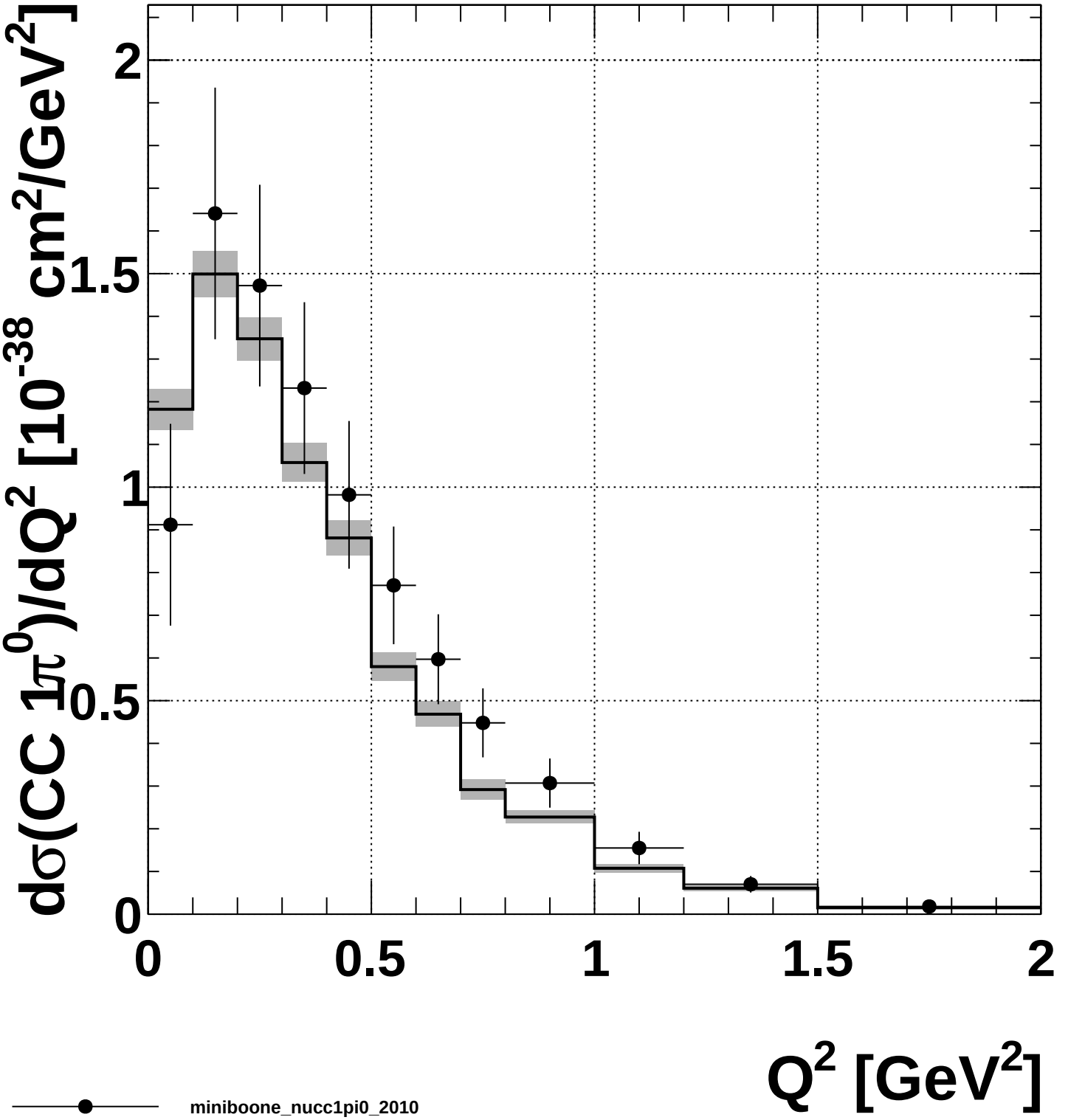




miniboone_nucc1pi0_2010

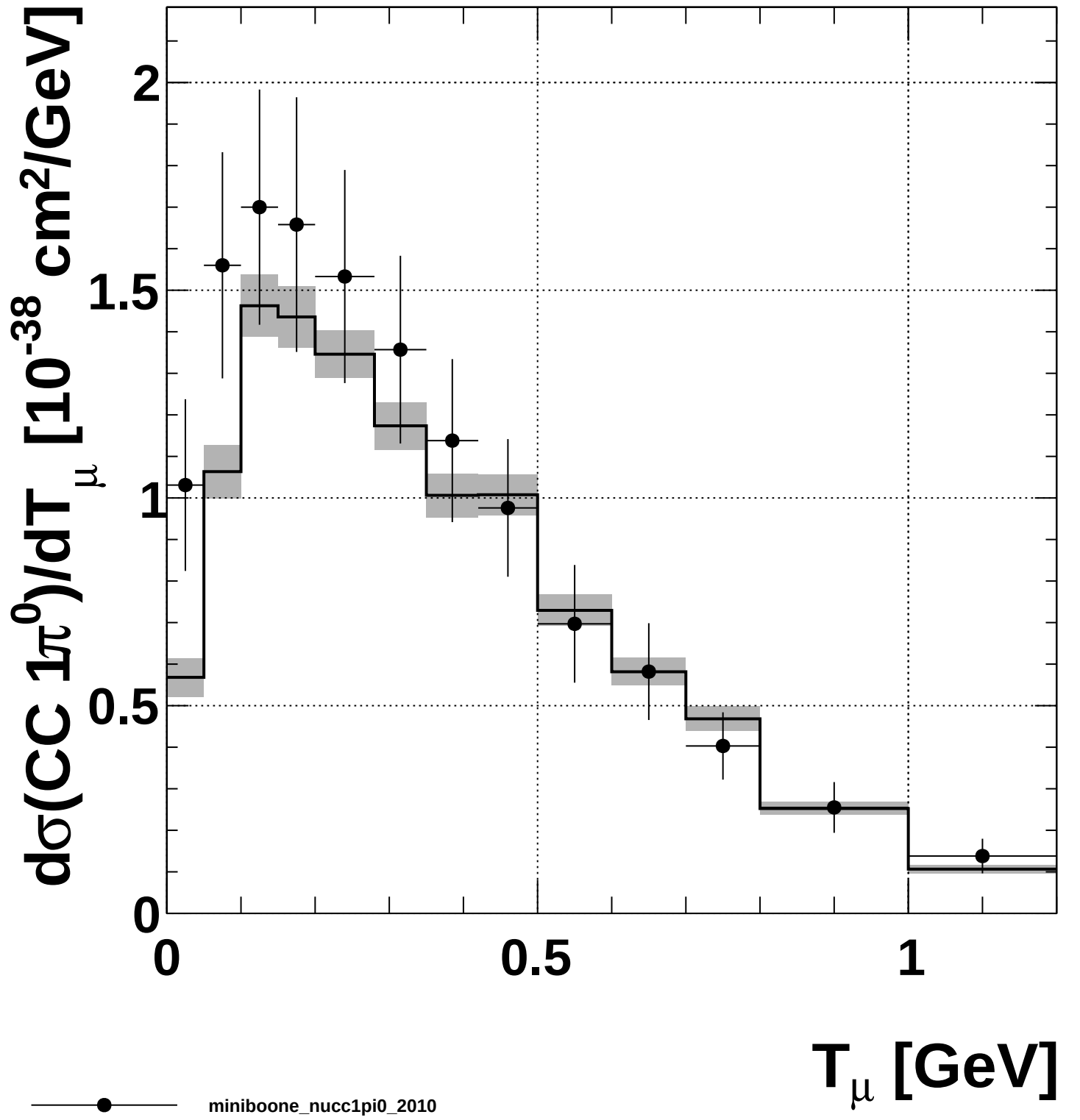
master:G18_02a_00_000:miniboone_fhc χ^2 = 18.5/15 DoF





miniboone_nucc1pi0_2010

master:G18_02a_00_000:miniboone_fhc χ^2 = 35.1/12 DoF



miniboone_nucc1pi0_2010

master:G18_02a_00_000:miniboone_fhc χ^2 = 22.4/13 DoF

Dataset:

miniboone_nucc1pip_2011

Model:

master/G18_02a_00_000 χ^2 = 1.77e+03 / 1440 DoF

Plots:

$\sigma(\nu_\mu$**+X** $\rightarrow$ μ^-**+**π^+**+Y)**

27 DoF, χ^2 = 62.3

$\partial^2\sigma/\partial$ **cos**θ_μ**/**∂ **T**$_\mu$

233 DoF, χ^2 = 130

$\partial^2\sigma/\partial$ **cos**θ_π**/**∂ **T**$_\pi$

154 DoF, χ^2 = 88.8

dσ**/dQ**^{2}

23 DoF, χ^2 = 12.6

dσ**/dQ**^{2}

351 DoF, χ^2 = 472

dσ**/dT**$_\mu$

23 DoF, χ^2 = 3.42

dσ**/dT**$_\mu$

303 DoF, χ^2 = 559

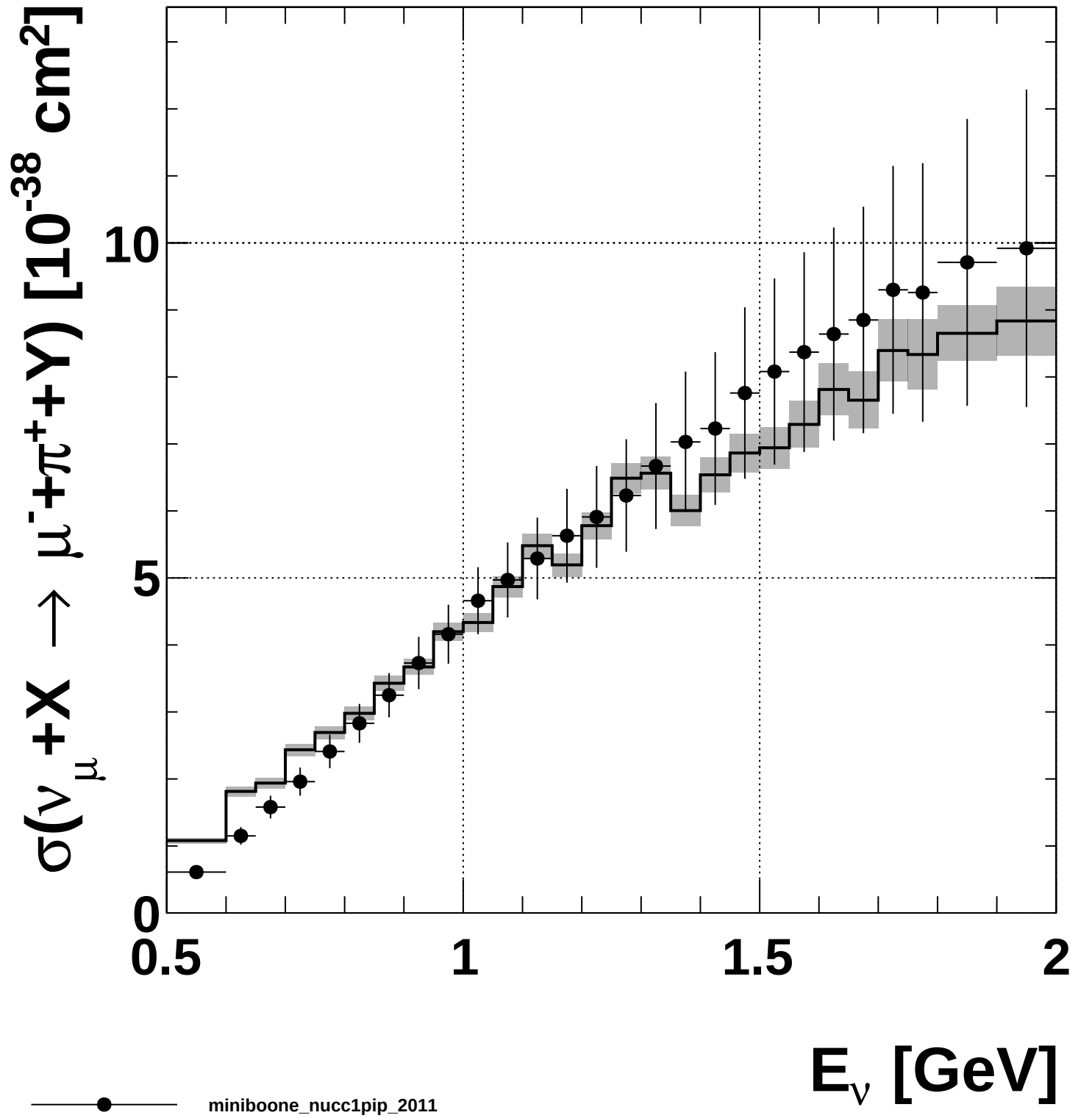
dσ**/dT**$_\pi$

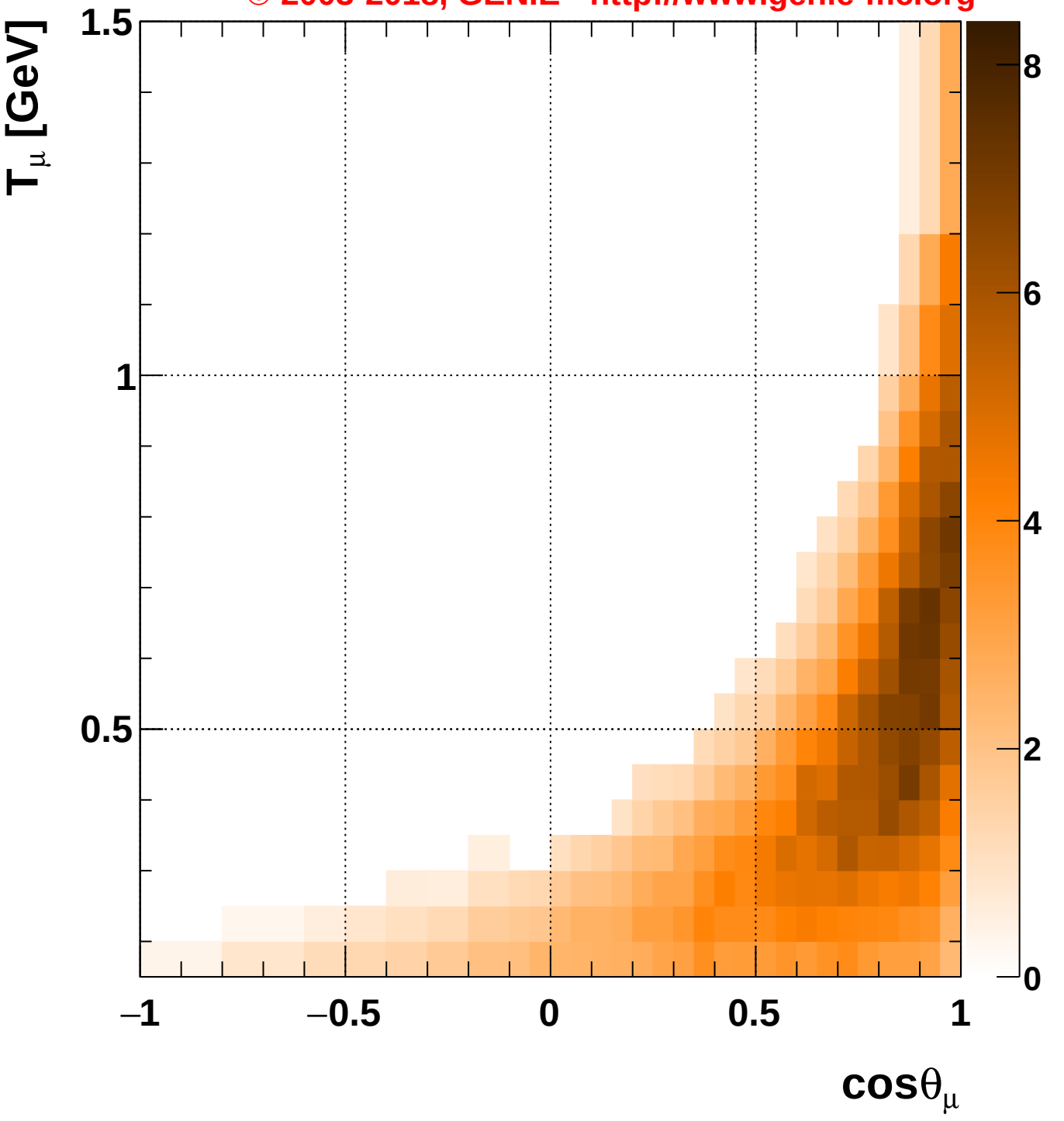
15 DoF, χ^2 = 26.9

dσ**/dT**$_\pi$

311 DoF, χ^2 = 415

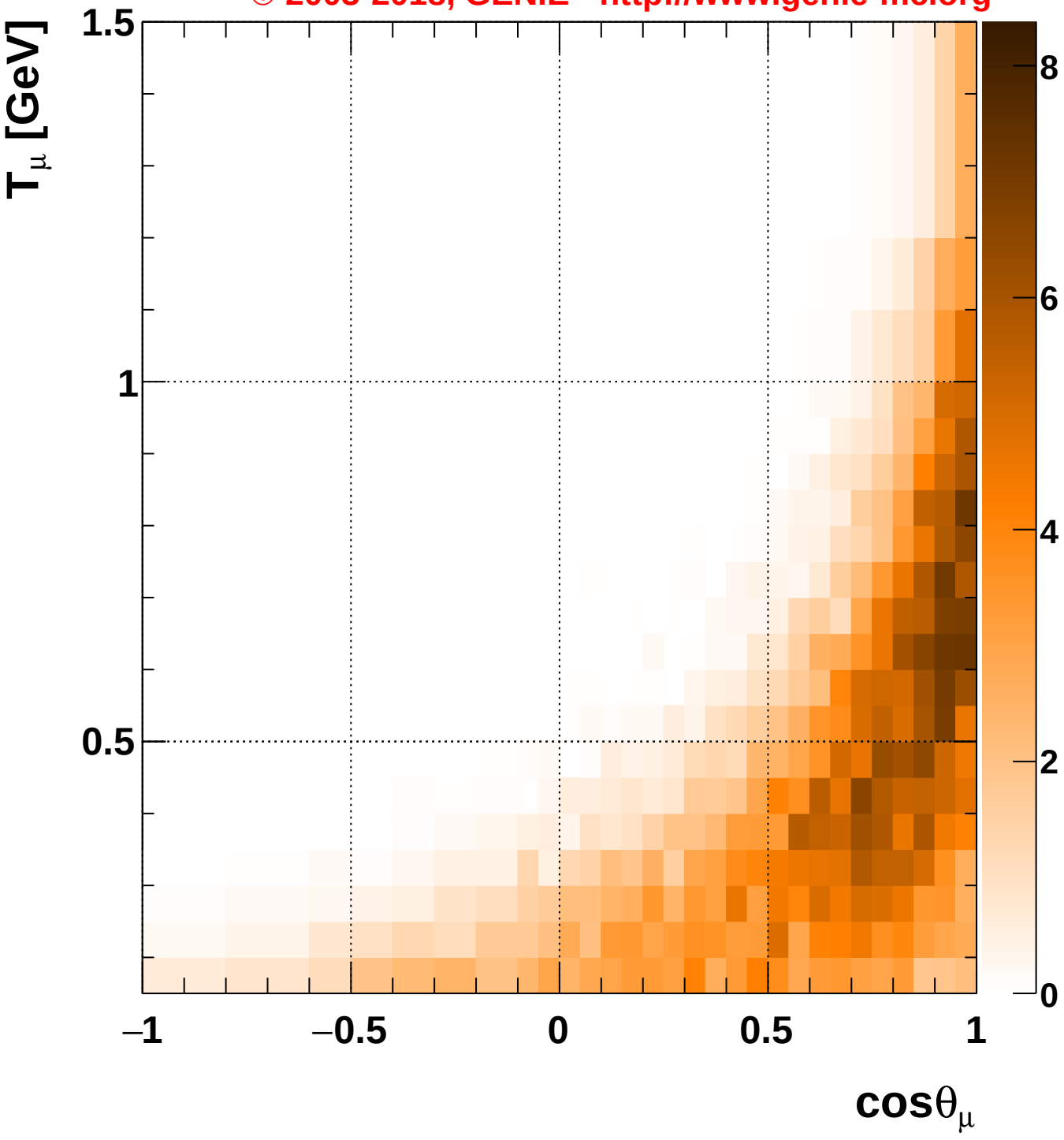
2018/10/15 09:40:41





$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]

Data: miniboone_nucc1pip_2011



$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]

Pred: master:G18_02a_00_000:miniboone_fhc

miniboone_nucc1pip_2011

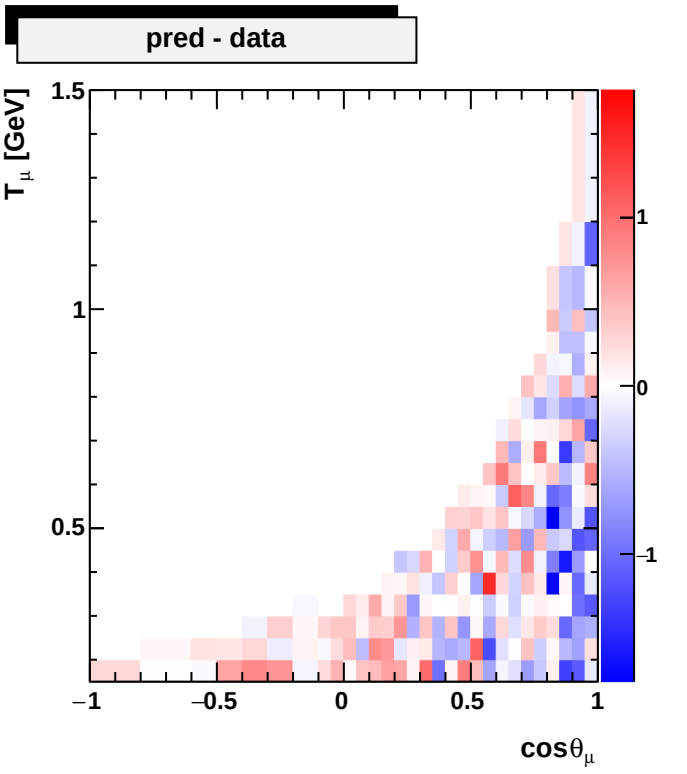
VS

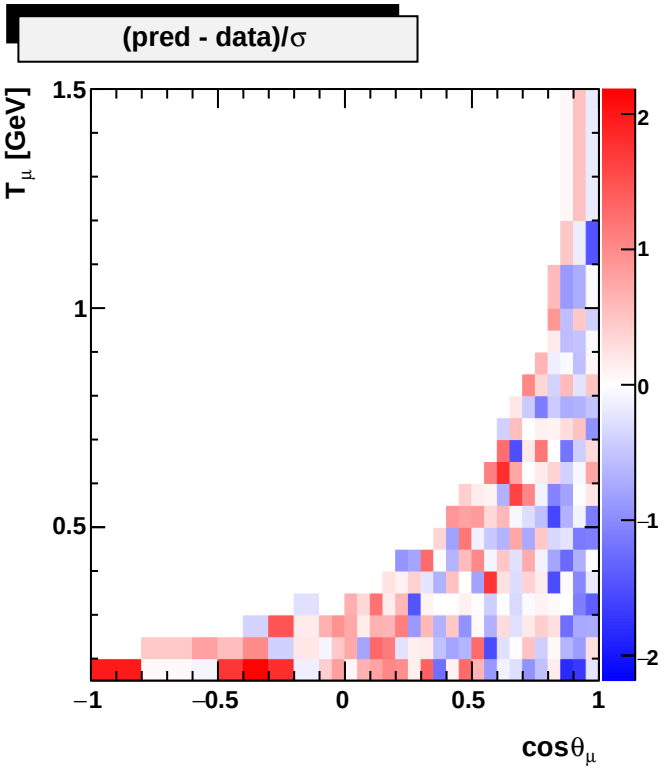
master:G18_02a_00_000:miniboone_fhc

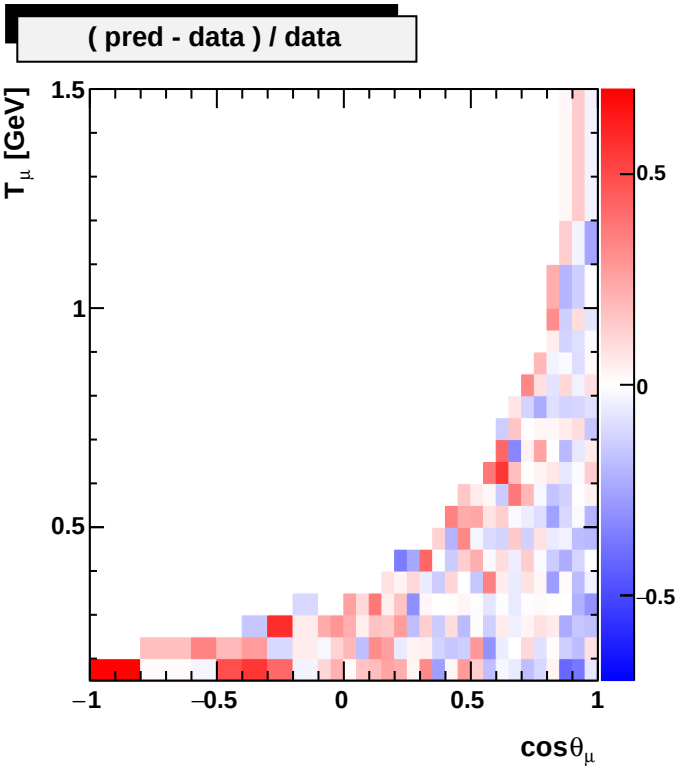
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$

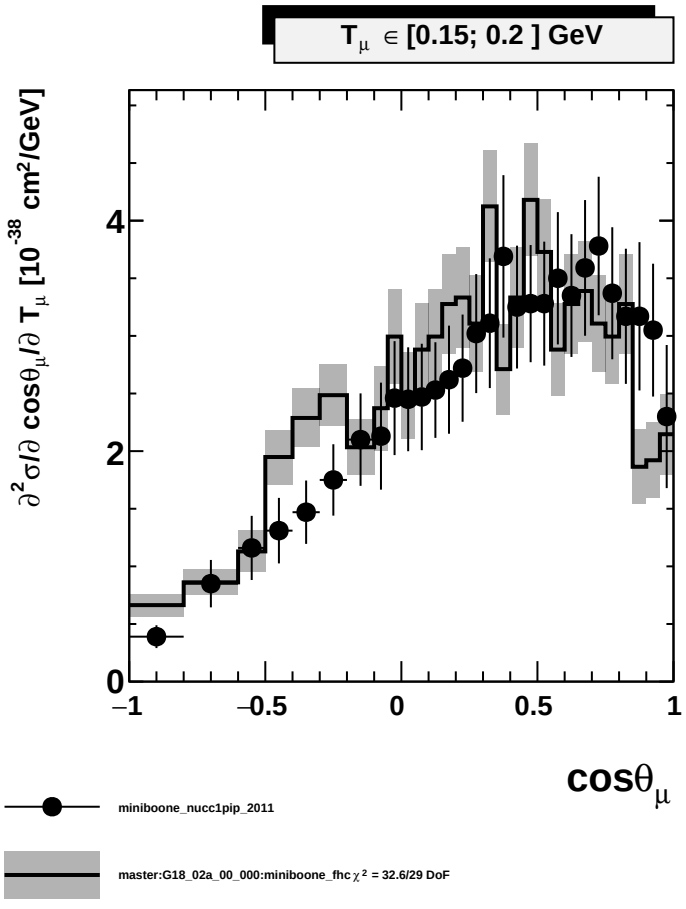
[10^{-38} cm^2/GeV]

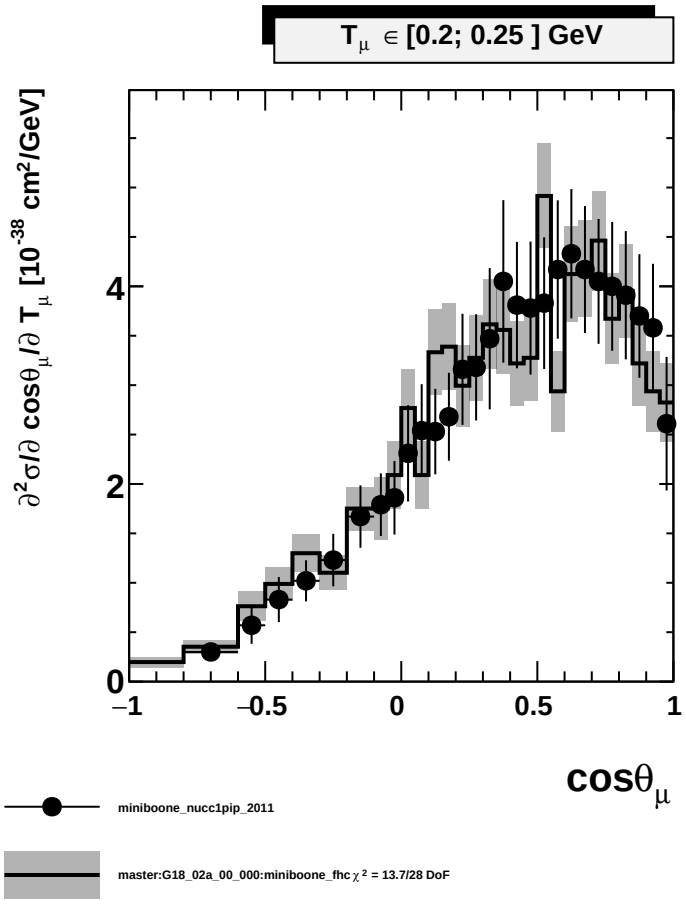
χ^2 **= 130.21/233 DoF**

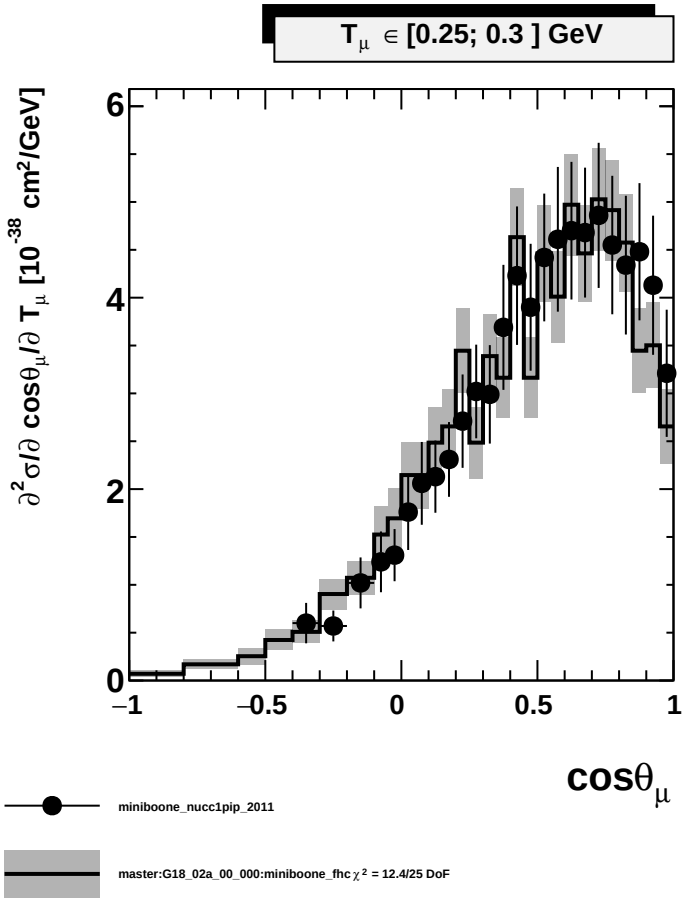


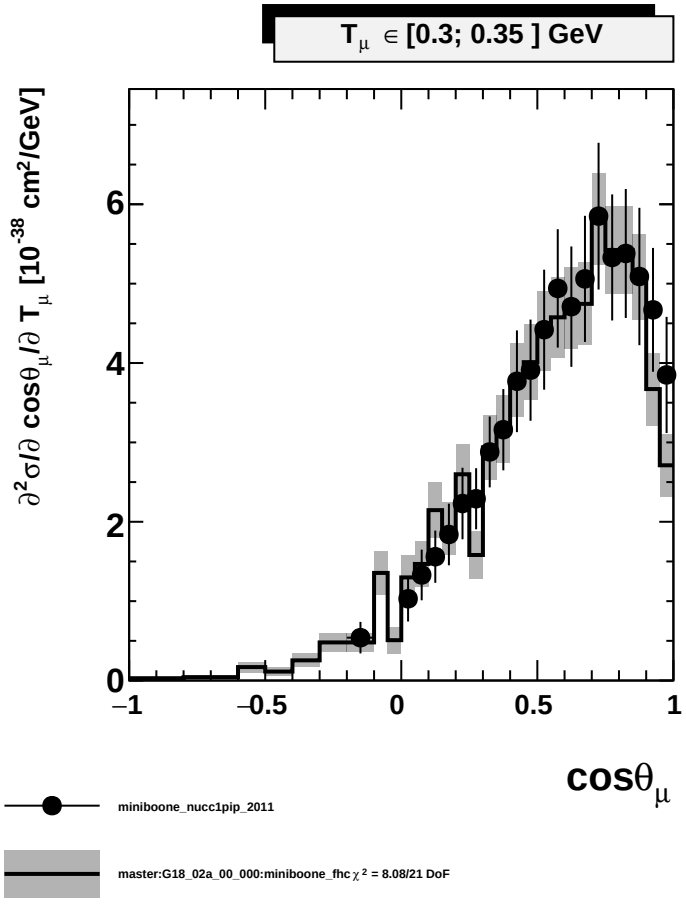


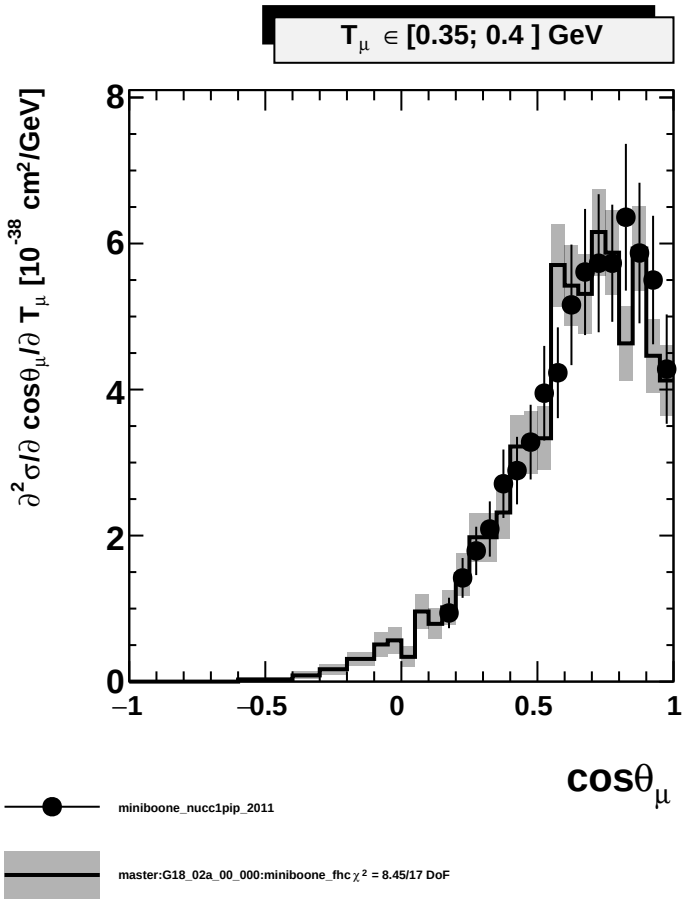


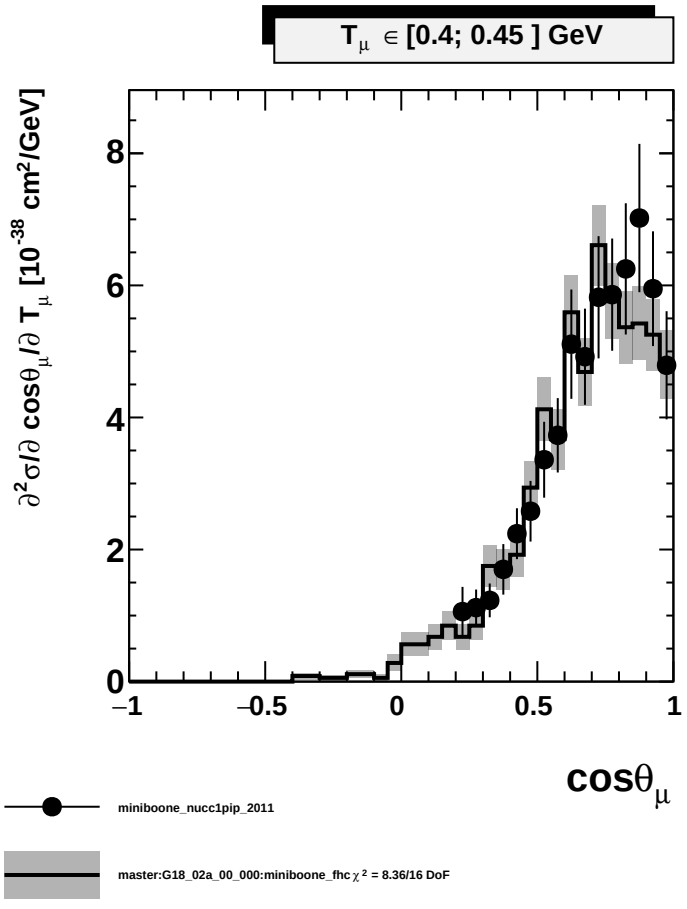

$T_\mu \in$ [0.15; 0.2] GeV
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 32.6/29 DoF

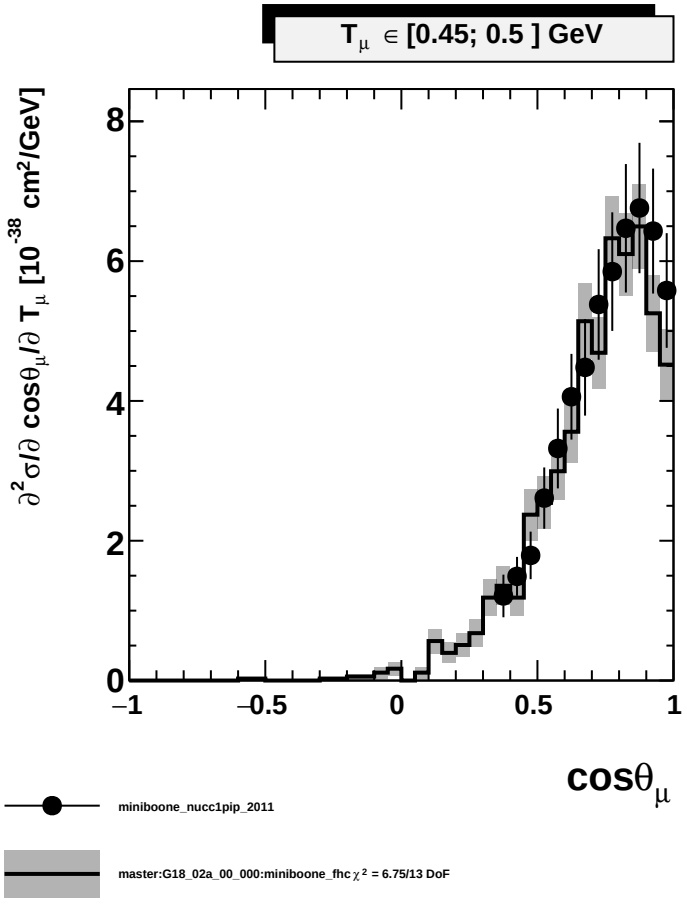

$T_\mu \in$ [0.2; 0.25] GeV
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 13.7/28 DoF

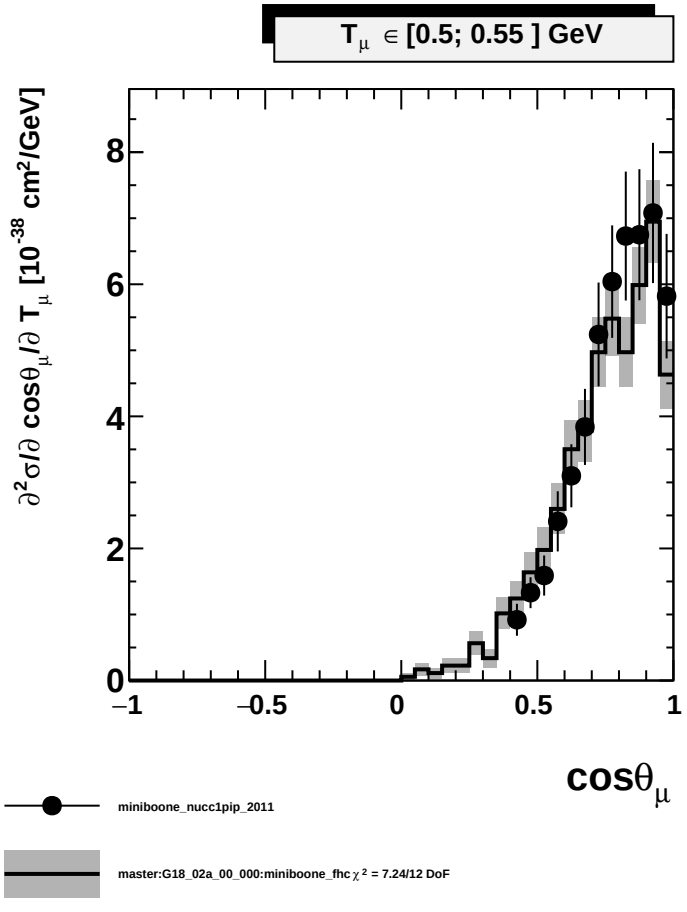

$T_\mu \in$ [0.25; 0.3] GeV
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 12.4/25 DoF

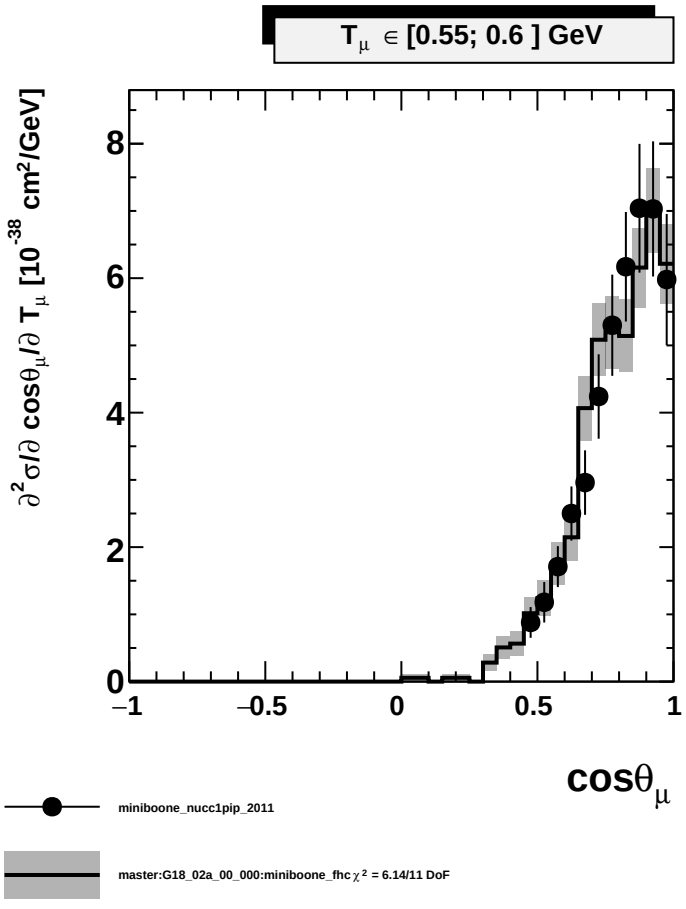

$T_\mu \in$ [0.3; 0.35] GeV
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 8.08/21 DoF

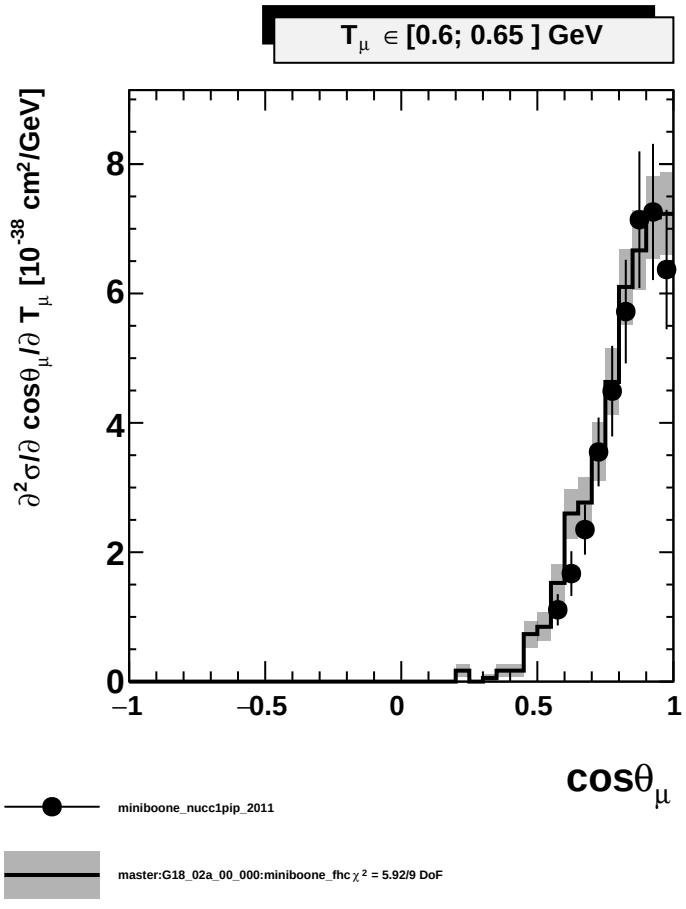

$T_\mu \in [0.35; 0.4]$ GeV
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 8.45/17 DoF

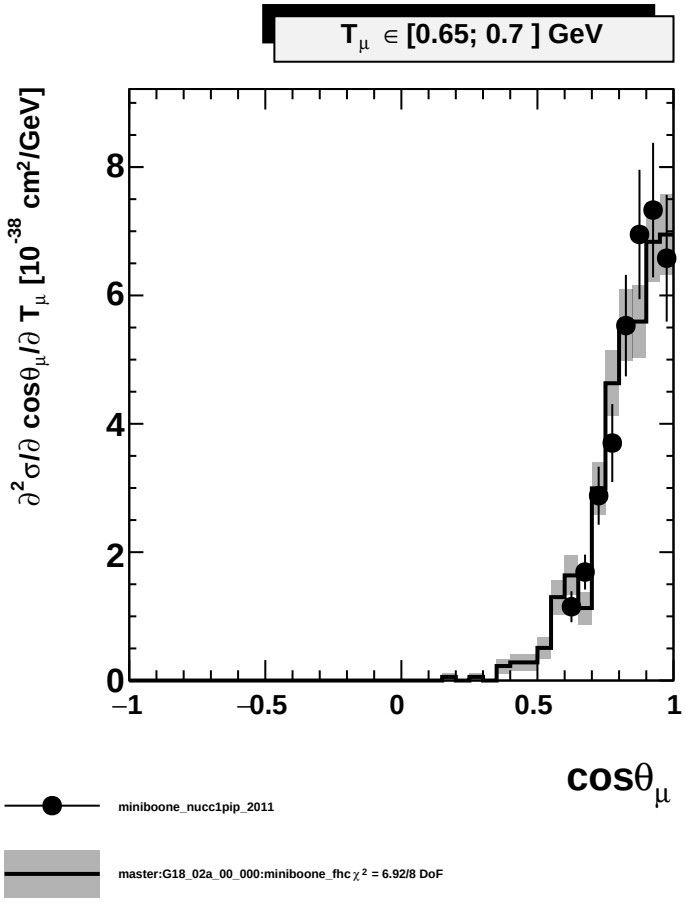

$T_\mu \in [0.4; 0.45]$ GeV
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 8.36/16 DoF

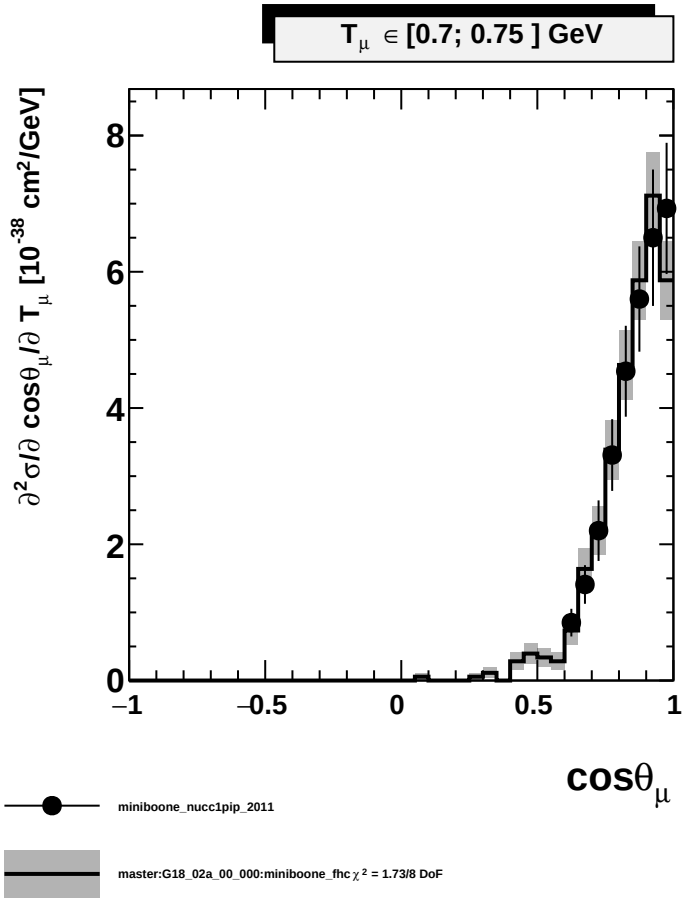

$T_\mu \in [0.45; 0.5]$ GeV
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 6.75/13 DoF

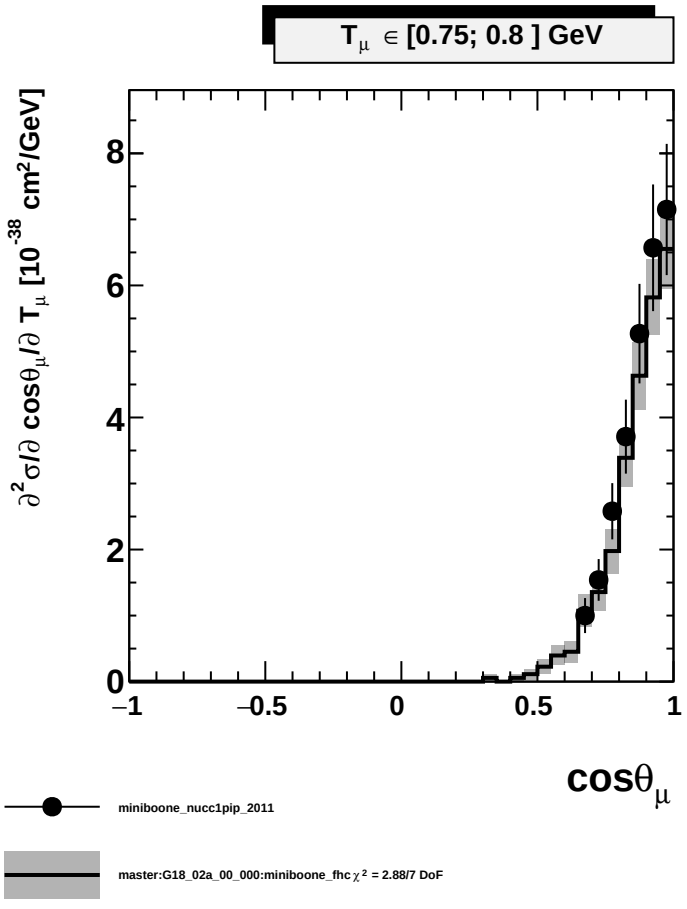

$T_\mu \in [0.5; 0.55]$ GeV
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 7.24/12 DoF

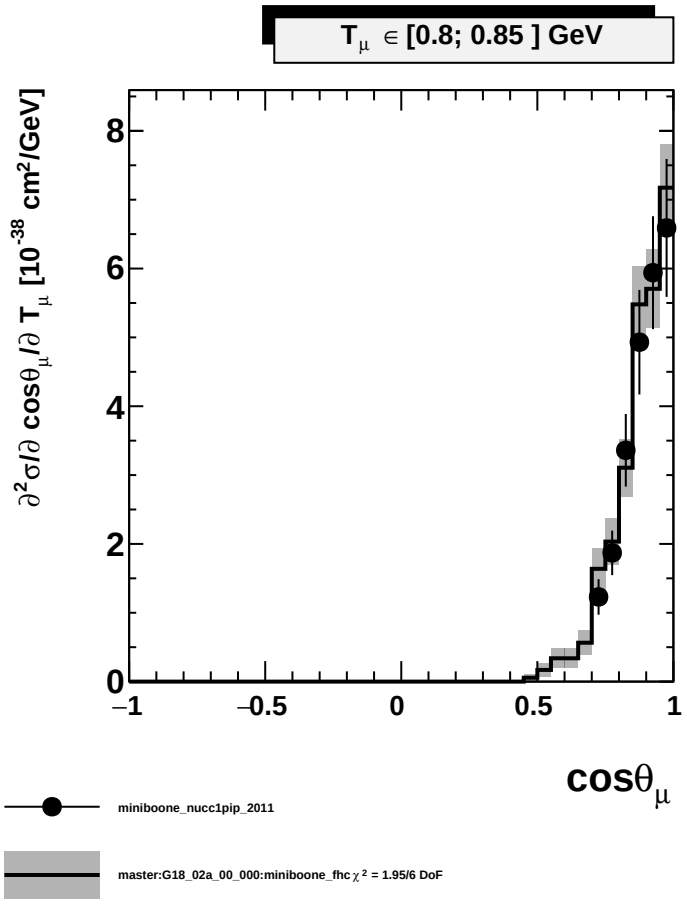

$T_\mu \in$ [0.55; 0.6] GeV
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 6.14/11 DoF

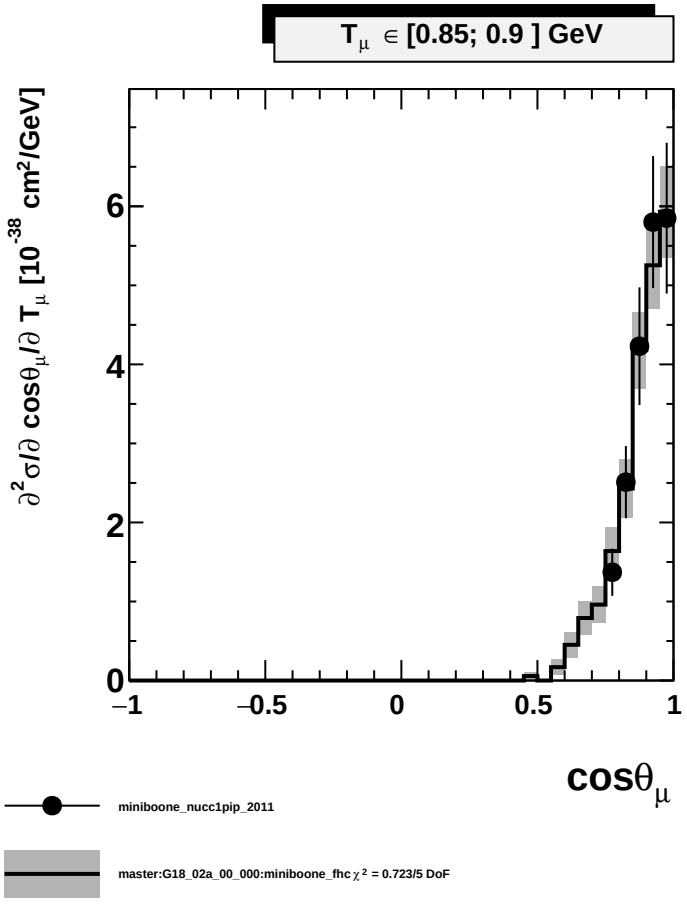

$T_\mu \in$ [0.6; 0.65] GeV
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 5.92/9 DoF

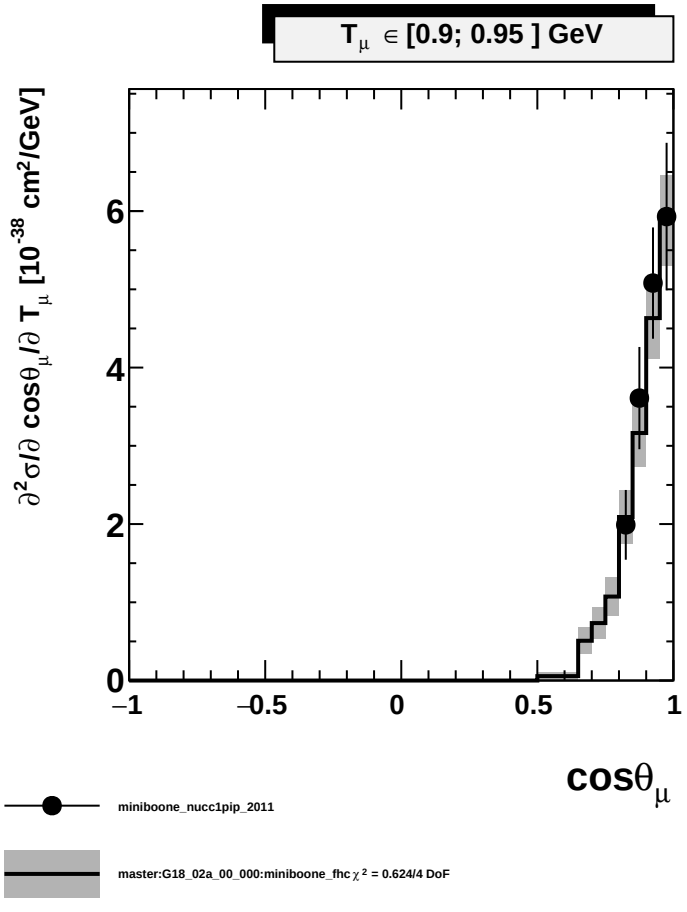

$T_\mu \in$ [0.65; 0.7] GeV
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 6.92/8 DoF

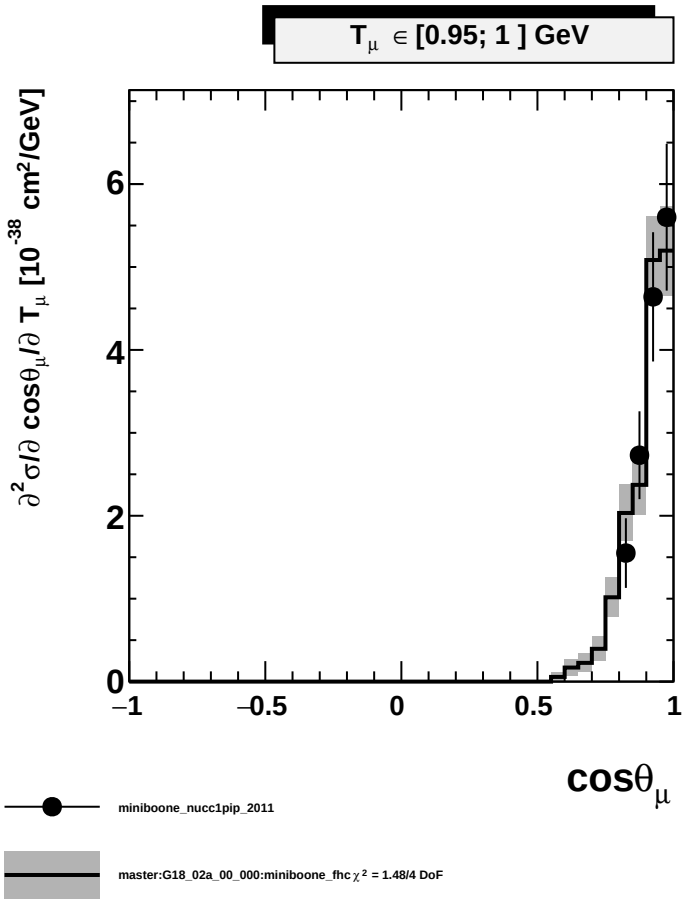

$T_\mu \in$ [0.7; 0.75] GeV
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 1.73/8 DoF

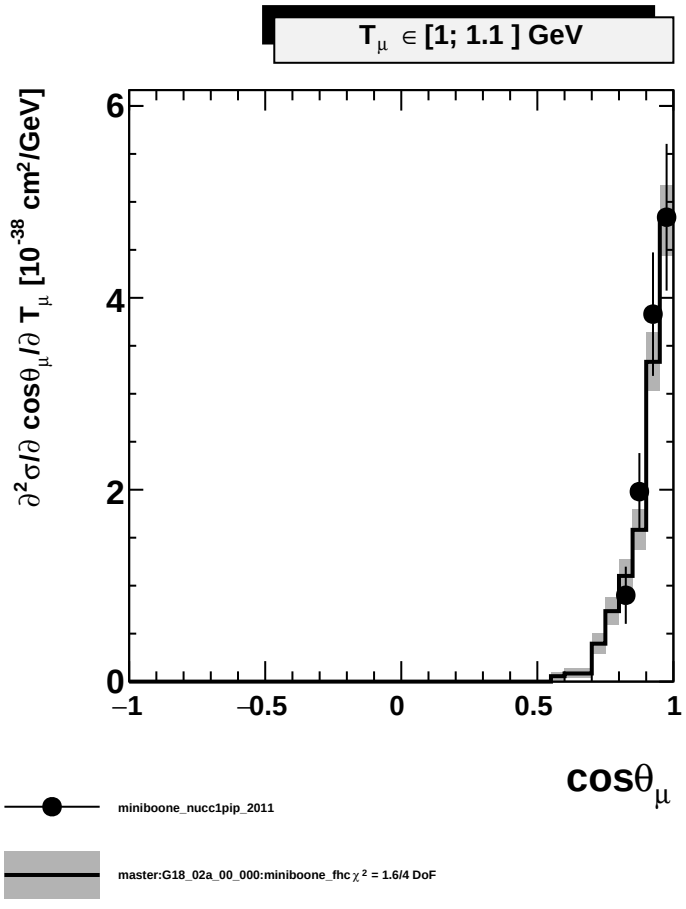

$T_\mu \in$ [0.75; 0.8] GeV
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 2.88/7 DoF

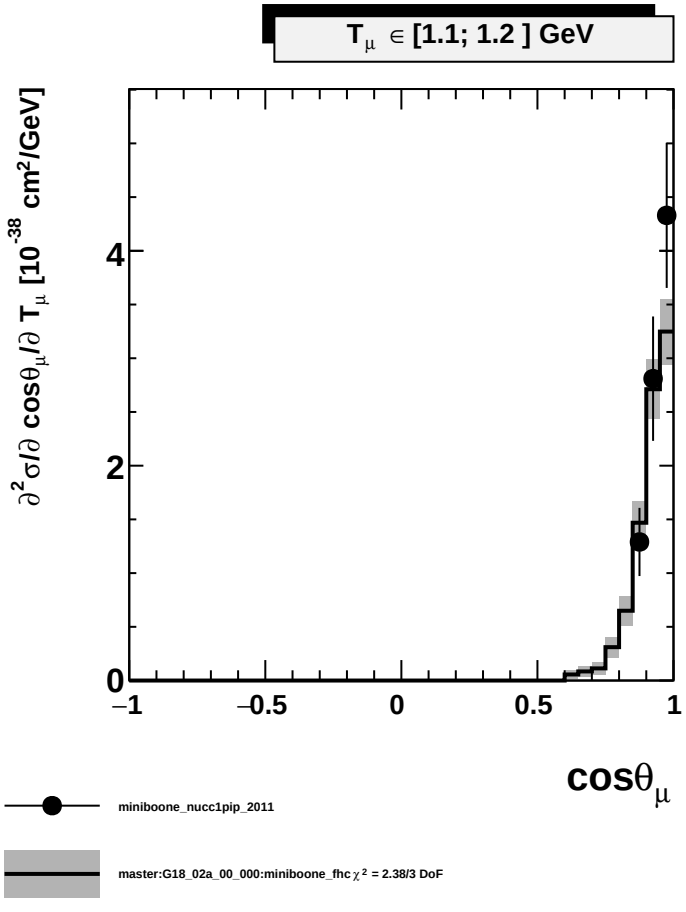

$T_\mu \in$ [0.8; 0.85] GeV
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 1.95/6 DoF

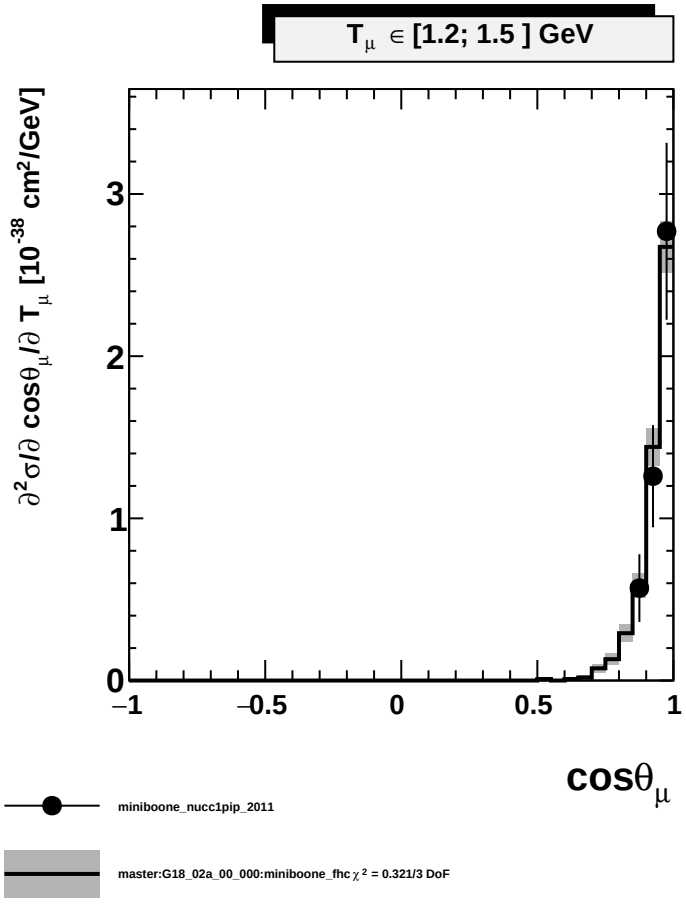

$T_\mu \in$ [0.85; 0.9] GeV
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 0.723/5 DoF

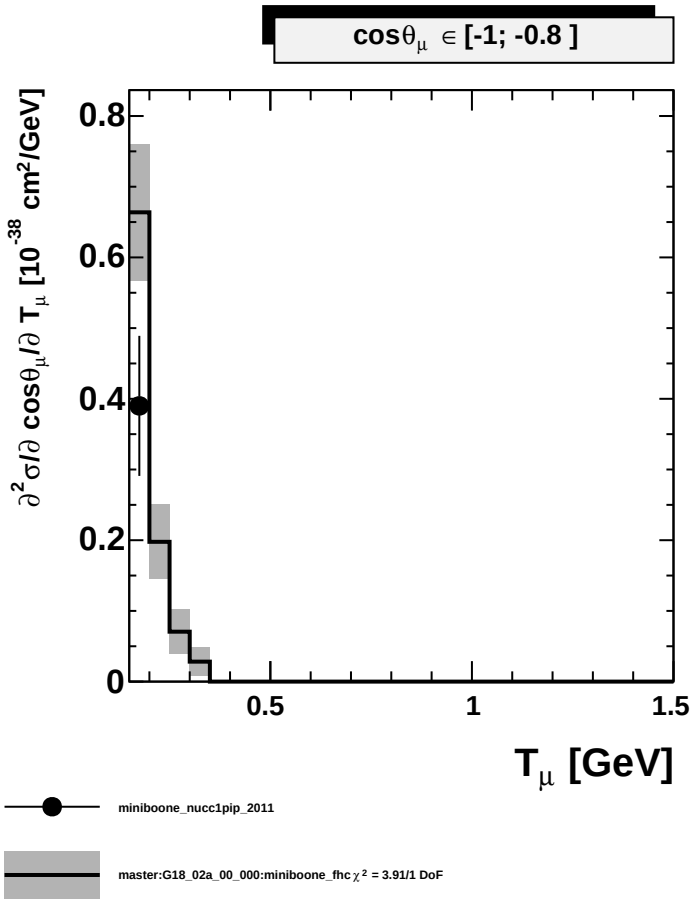

$T_\mu \in$ [0.9; 0.95] GeV
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 0.624/4 DoF

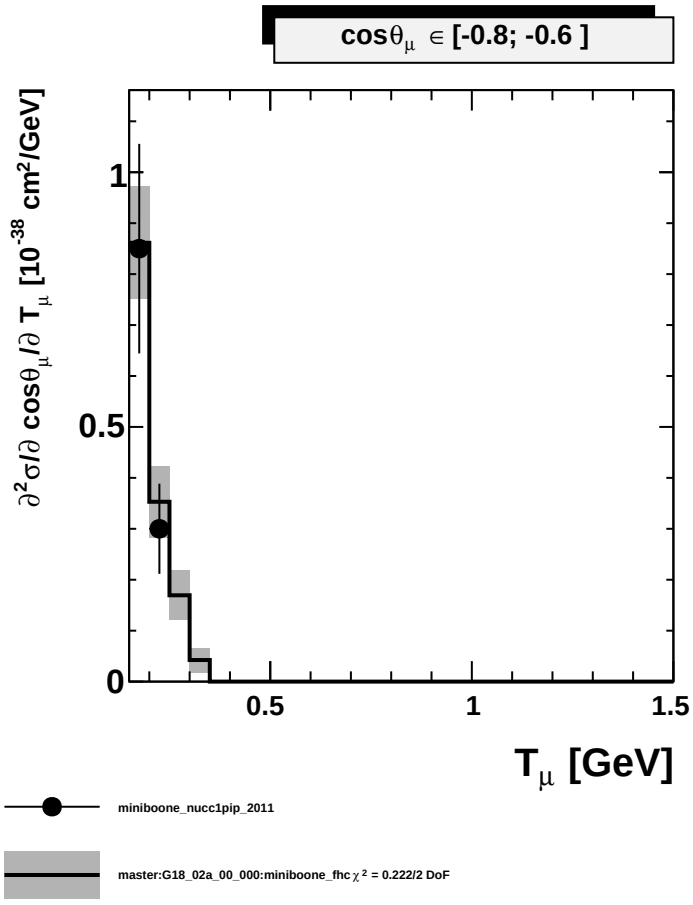

$T_\mu \in$ [0.95; 1] GeV
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 1.48/4 DoF

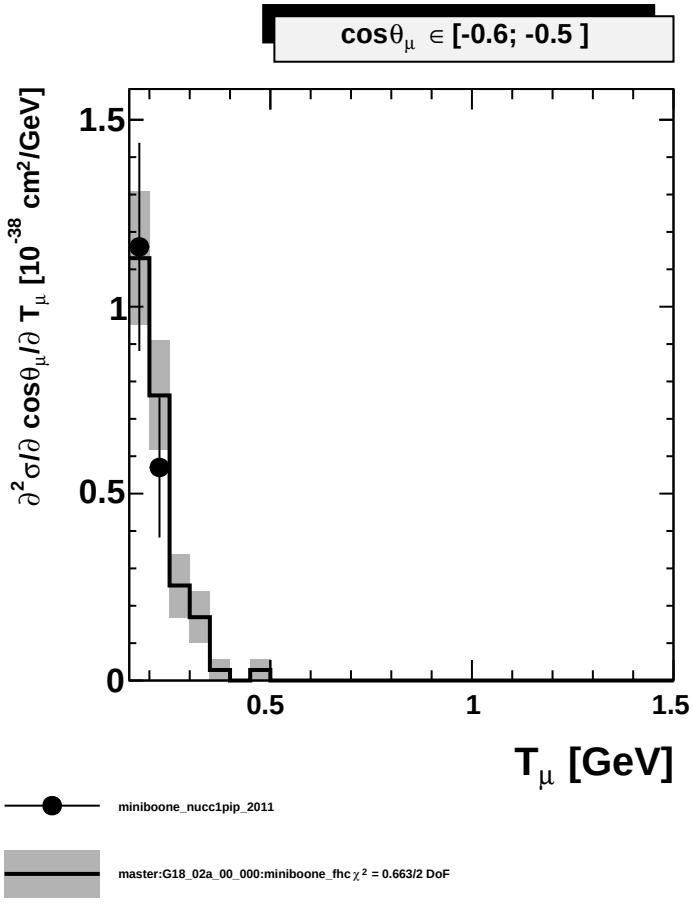

$T_\mu \in$ [1; 1.1] GeV
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 1.6/4 DoF

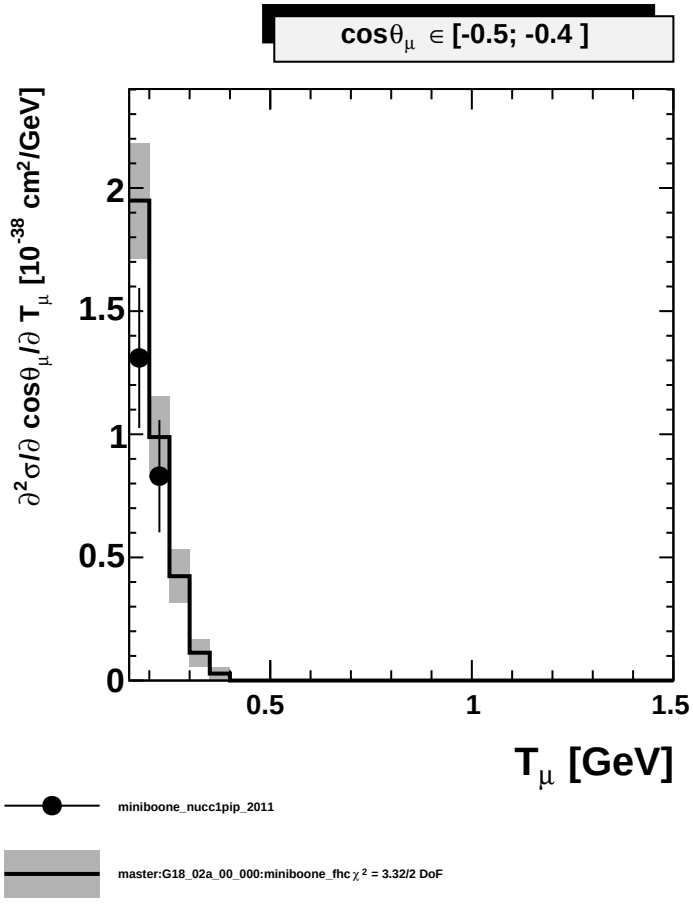

$T_\mu \in$ [1.1; 1.2] GeV
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 2.38/3 DoF

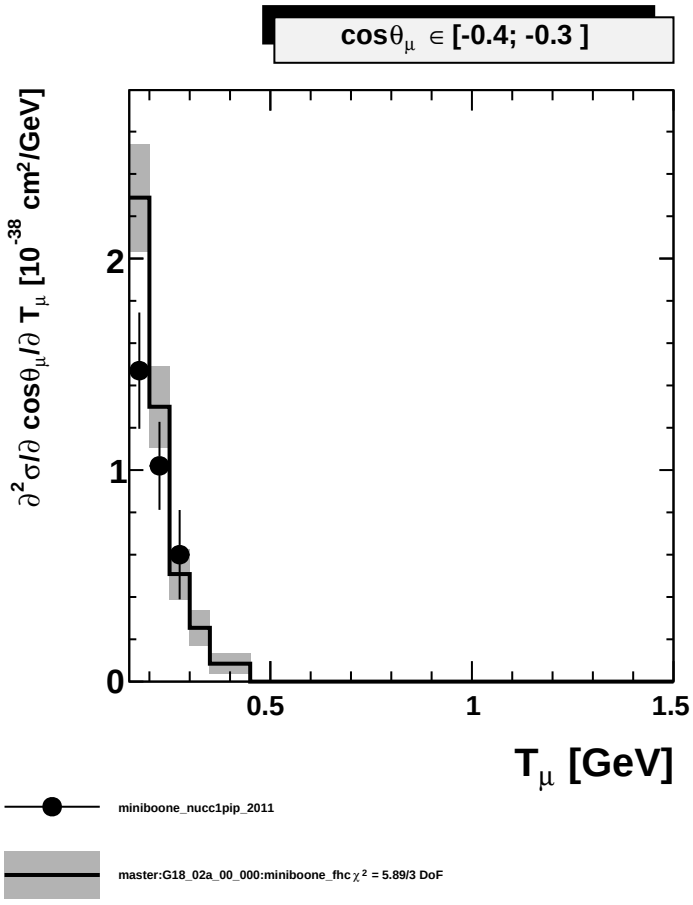

$T_\mu \in$ [1.2; 1.5] GeV
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
$\cos\theta_\mu$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 0.321/3 DoF

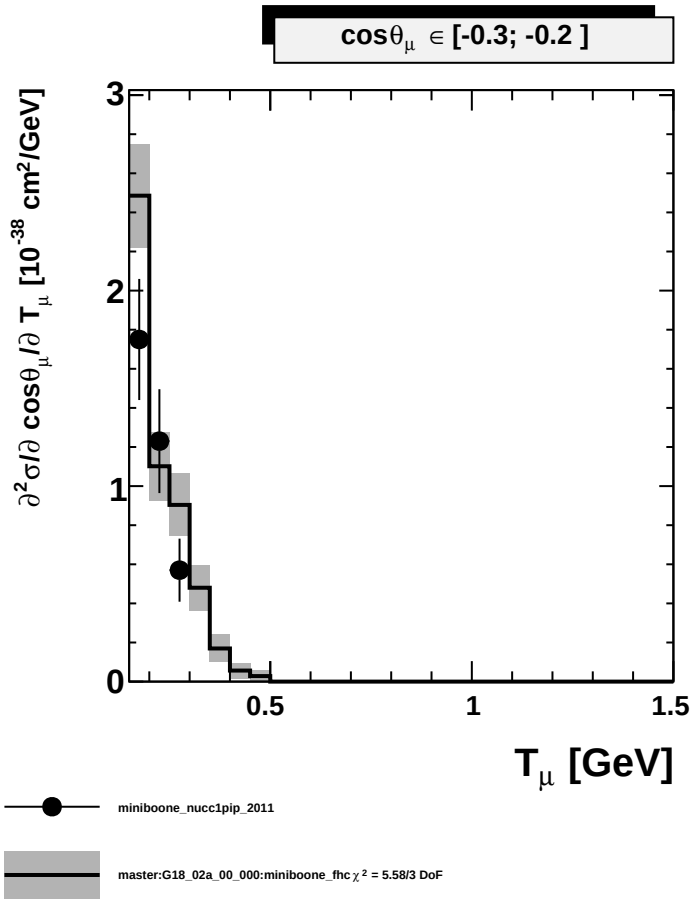

cosθμ ∈ [-1; -0.8]
∂²σ/∂ cosθμ/∂ Tμ [10⁻³⁸ cm²/GeV]
Tμ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ² = 3.91/1 DoF

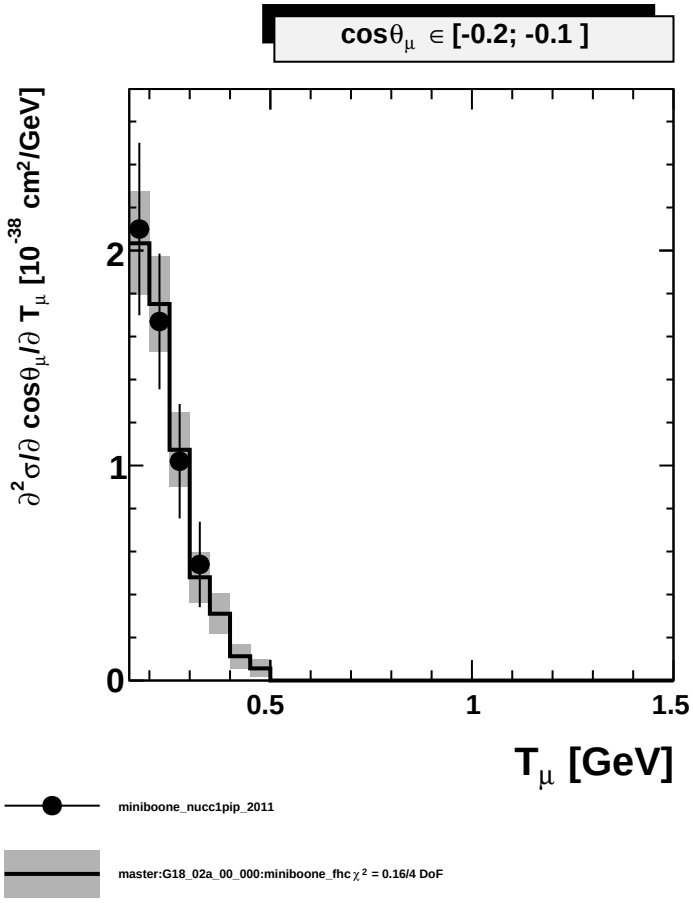

cosθμ ∈ [-0.8; -0.6]
∂²σ/∂ cosθμ/∂ Tμ [10⁻³⁸ cm²/GeV]
Tμ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ² = 0.222/2 DoF

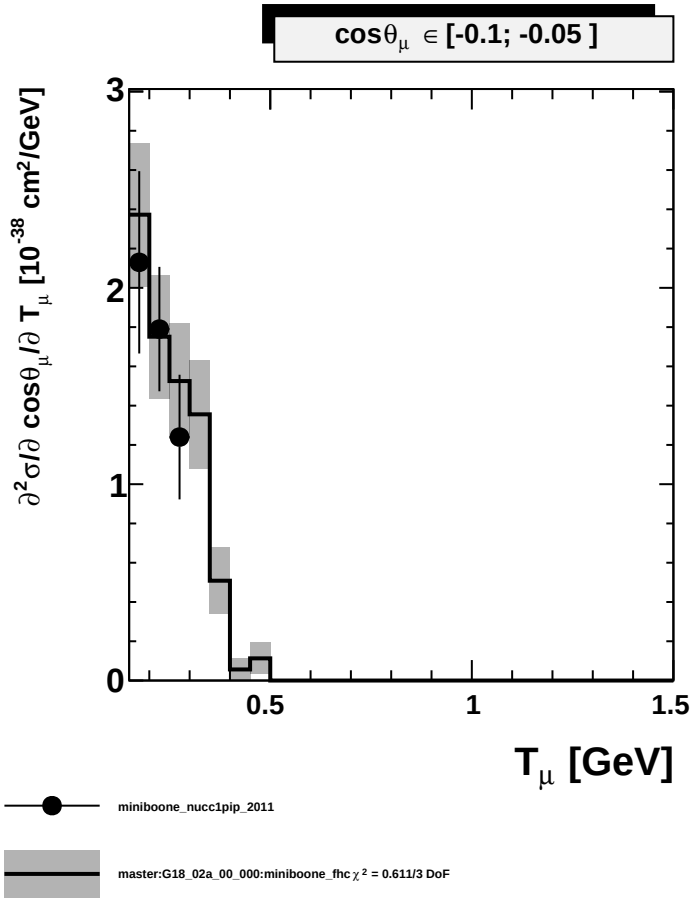

cosθμ ∈ [-0.6; -0.5]
∂²σ/∂ cosθμ/∂ Tμ [10⁻³⁸ cm²/GeV]
Tμ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ² = 0.663/2 DoF

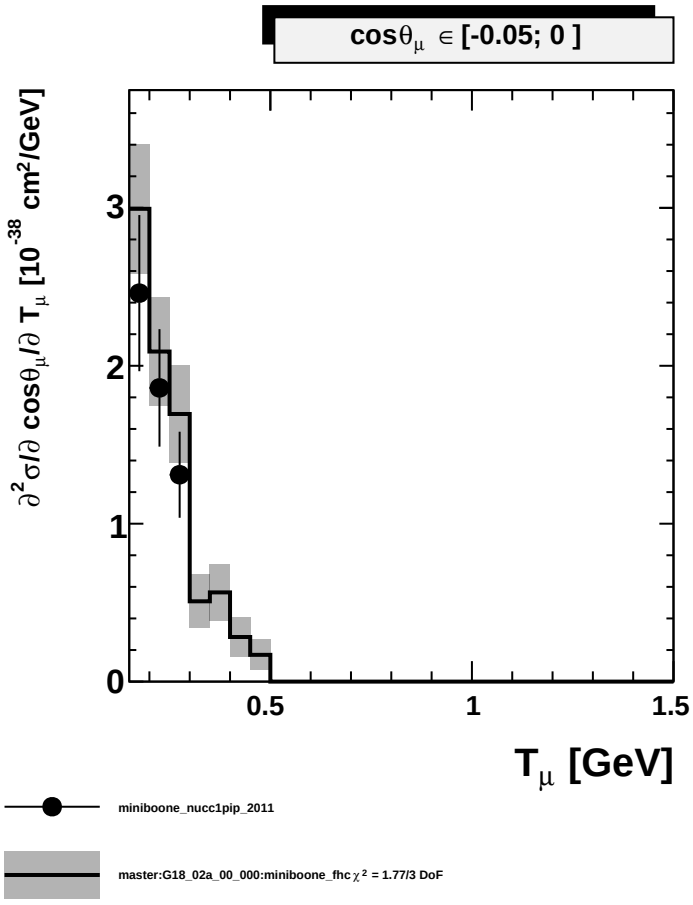

cosθμ ∈ [-0.5; -0.4]
∂²σ/∂ cosθμ/∂ Tμ [10⁻³⁸ cm²/GeV]
Tμ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ² = 3.32/2 DoF

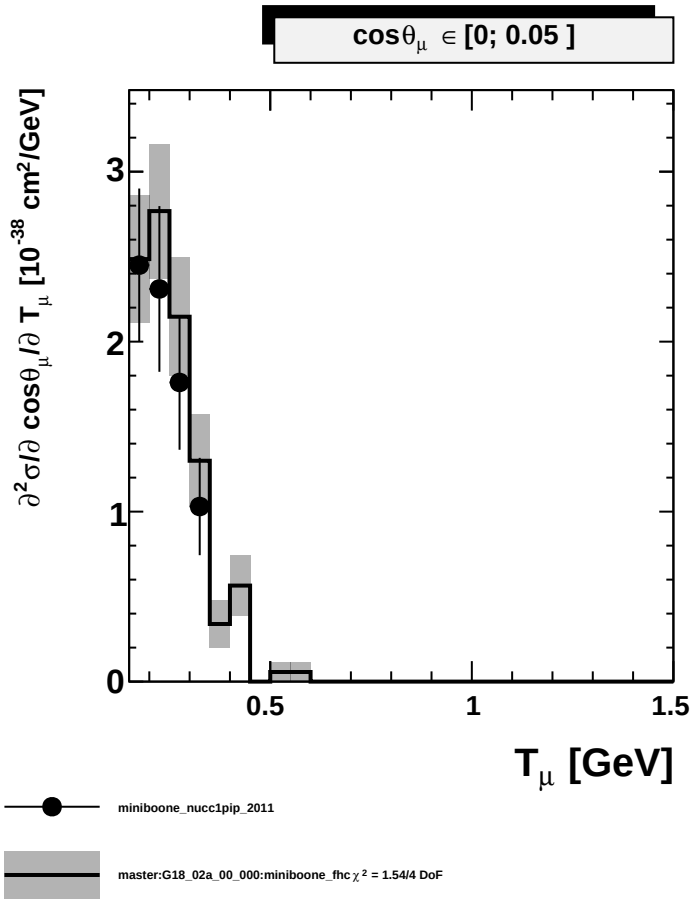

$\cos\theta_\mu \in$ [-0.4; -0.3]
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 5.89/3 DoF

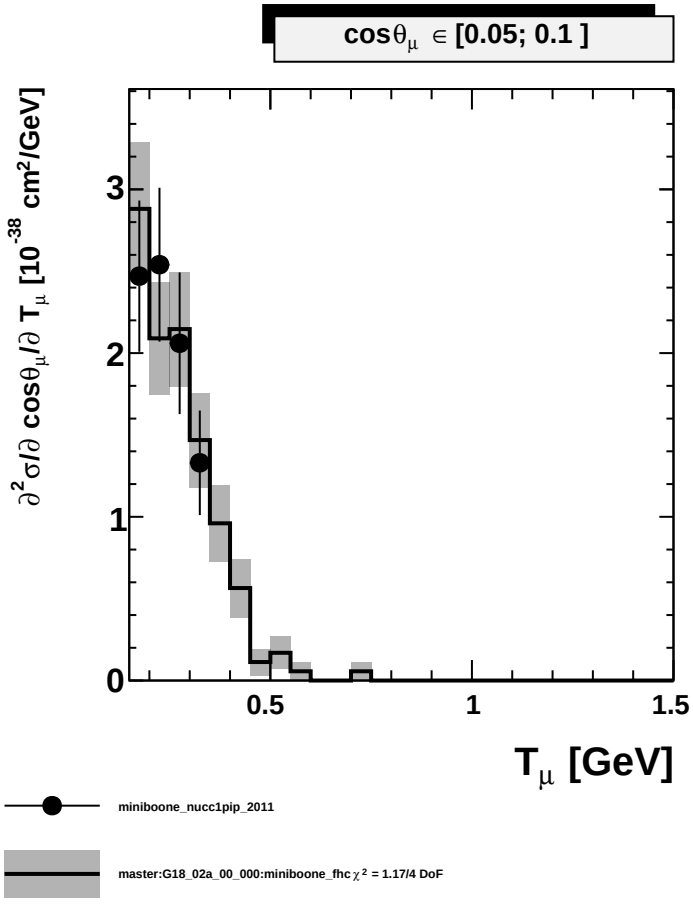

$\cos\theta_\mu \in$ [-0.3; -0.2]
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 5.58/3 DoF

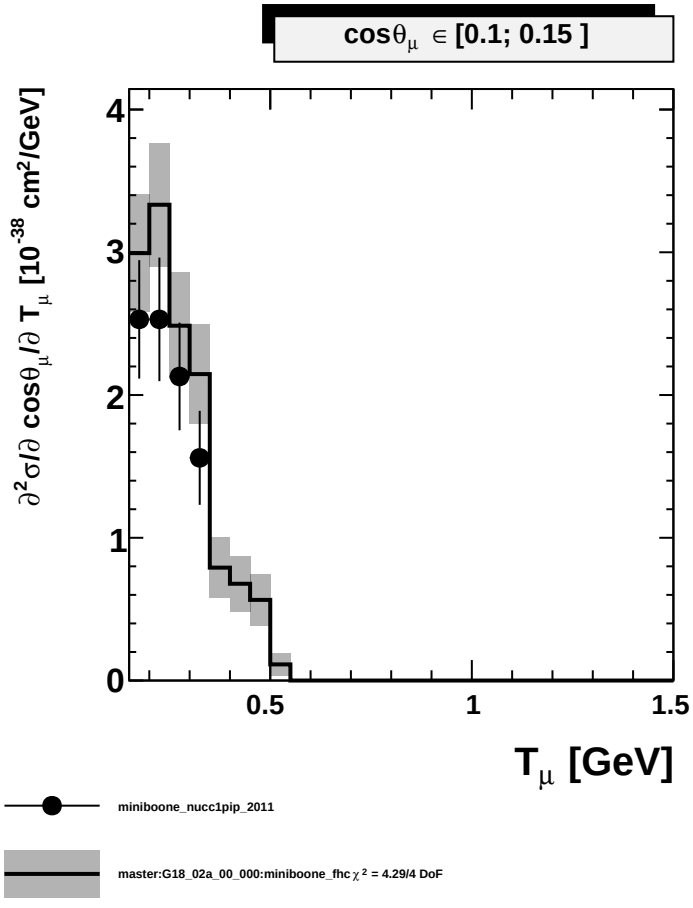

$\cos\theta_\mu \in$ [-0.2; -0.1]
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 0.16/4 DoF

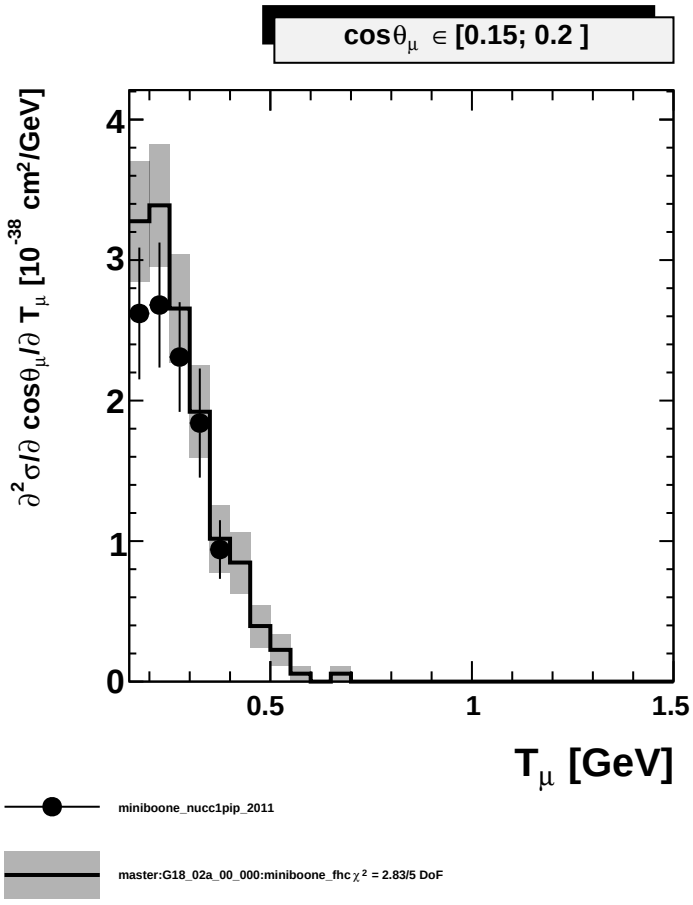

$\cos\theta_\mu \in$ [-0.1; -0.05]
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 0.611/3 DoF

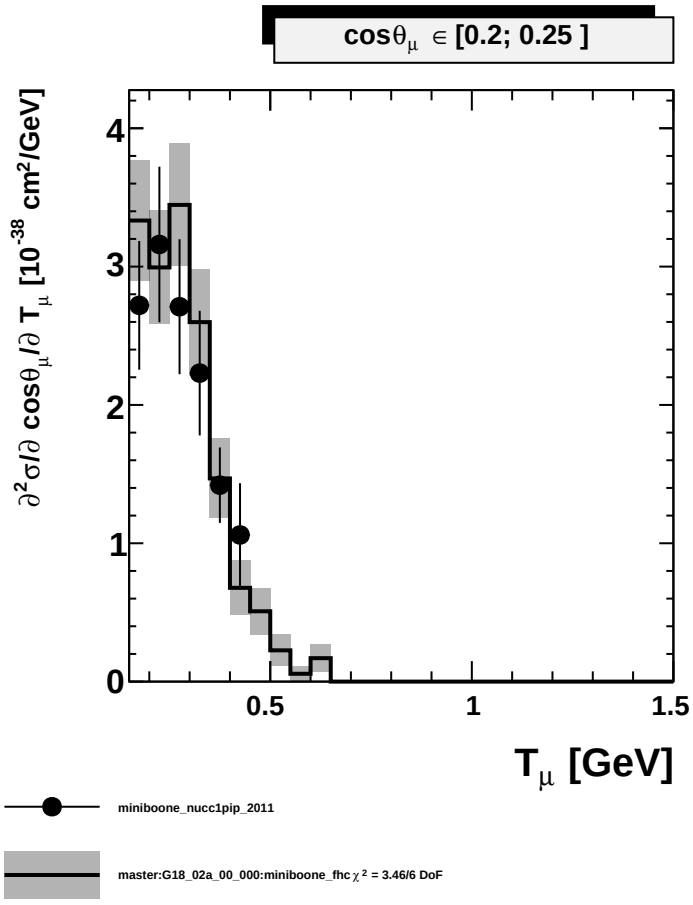

$\cos\theta_\mu \in$ [-0.05; 0]
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 1.77/3 DoF

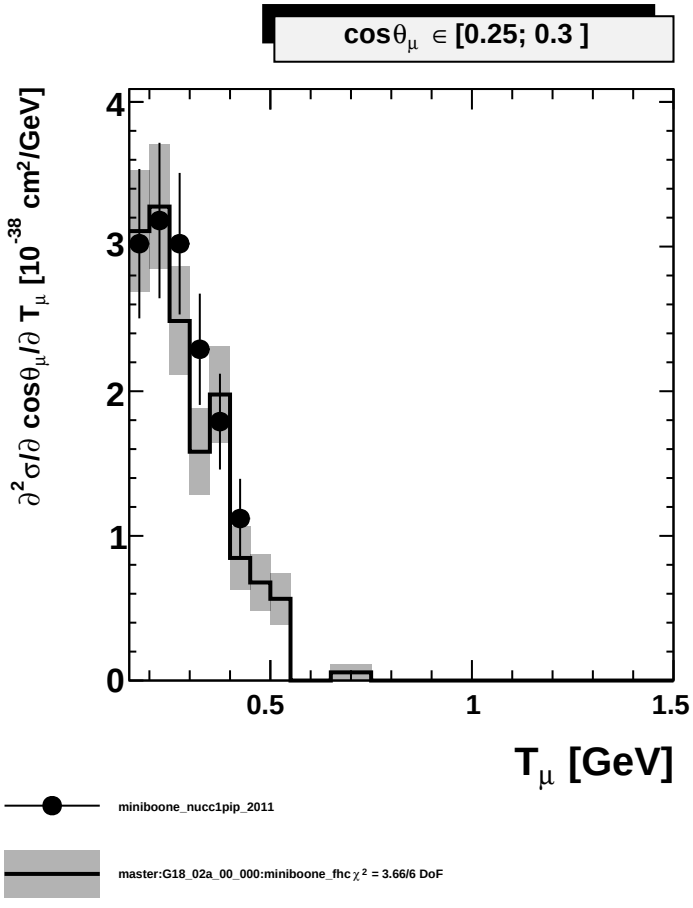

$\cos\theta_\mu \in$ [0; 0.05]
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 1.54/4 DoF

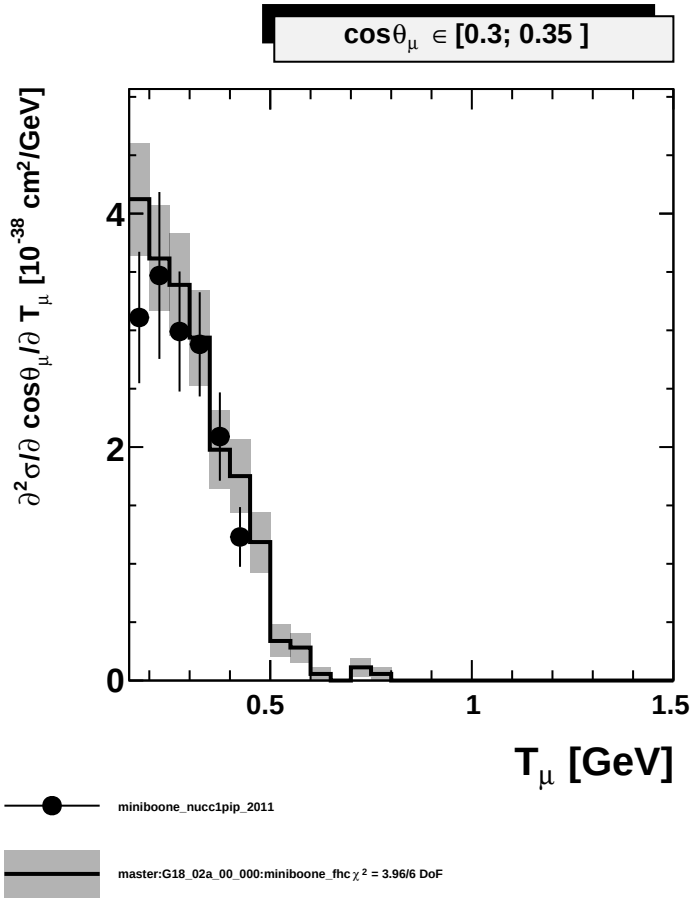

$\cos\theta_\mu \in$ [0.05; 0.1]
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 1.17/4 DoF

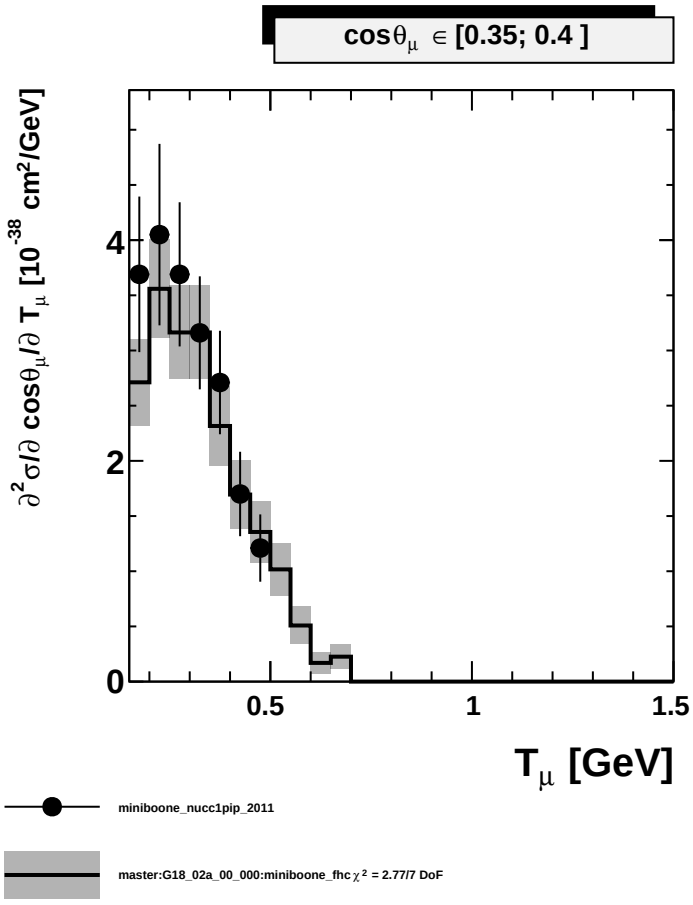

$\cos\theta_\mu \in$ [0.1; 0.15]
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 4.29/4 DoF

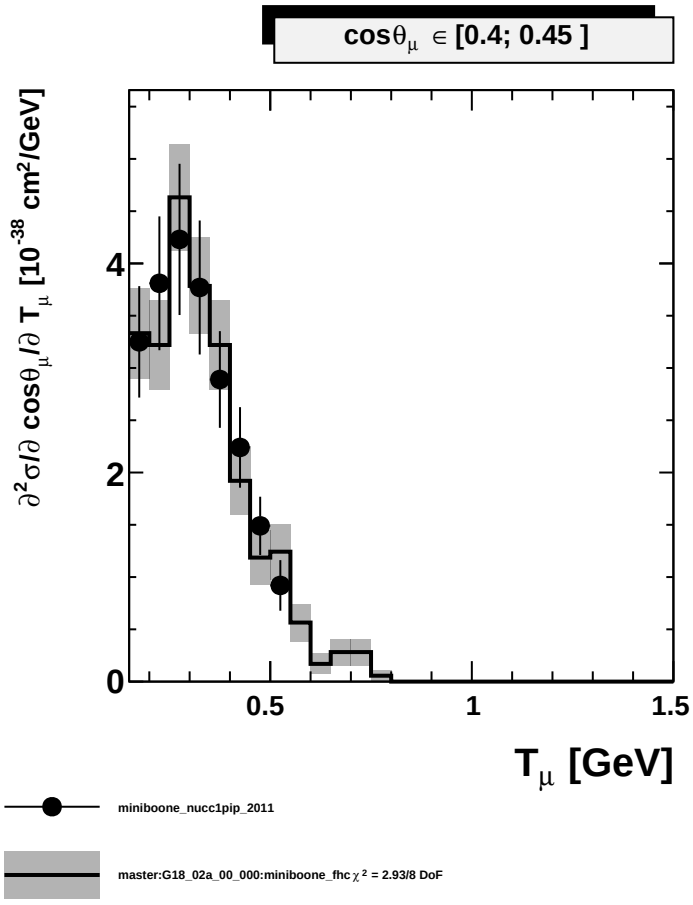

$\cos\theta_\mu \in [0.15; 0.2]$
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 2.83/5 DoF

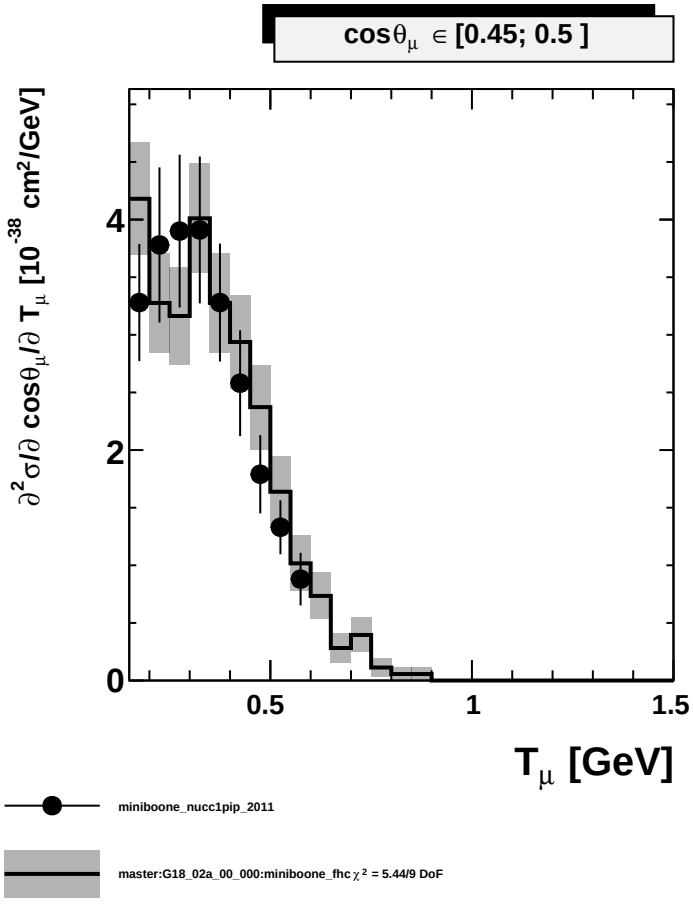

$\cos\theta_\mu \in [0.2; 0.25]$
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 3.46/6 DoF

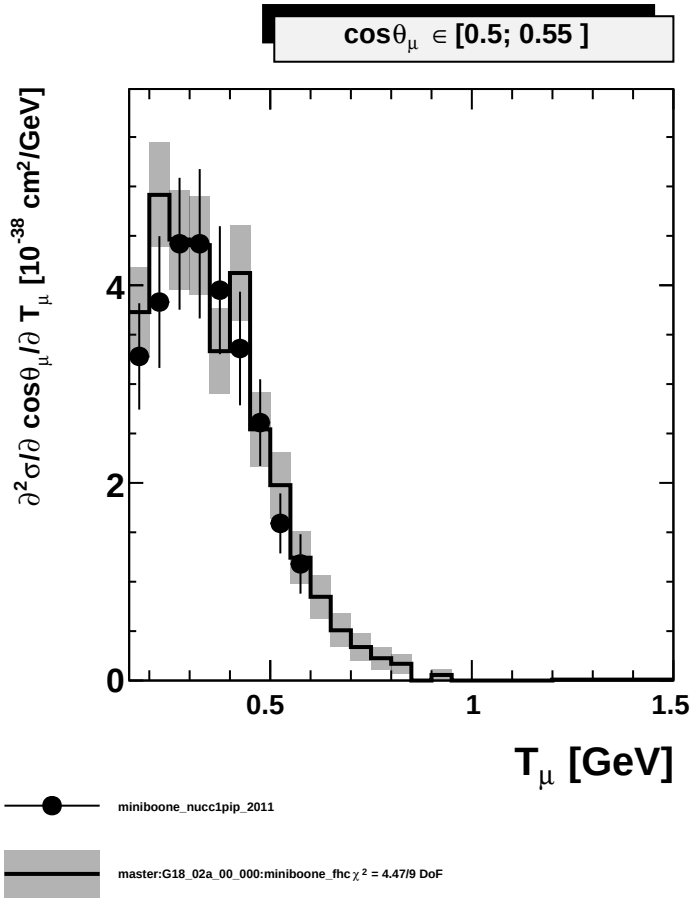

$\cos\theta_\mu \in [0.25; 0.3]$
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 3.66/6 DoF

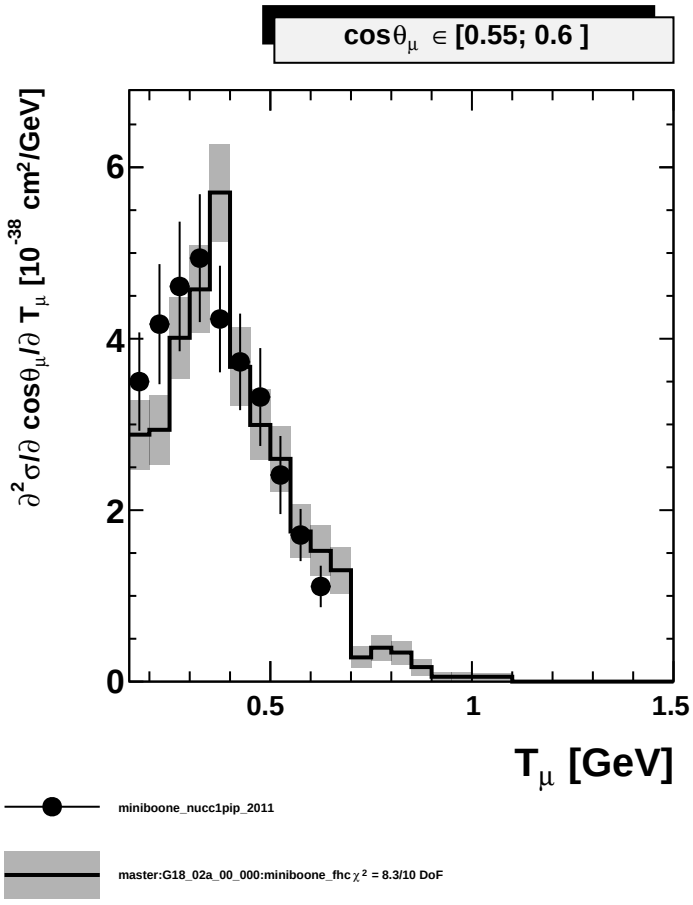

$\cos\theta_\mu \in [0.3; 0.35]$
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 3.96/6 DoF

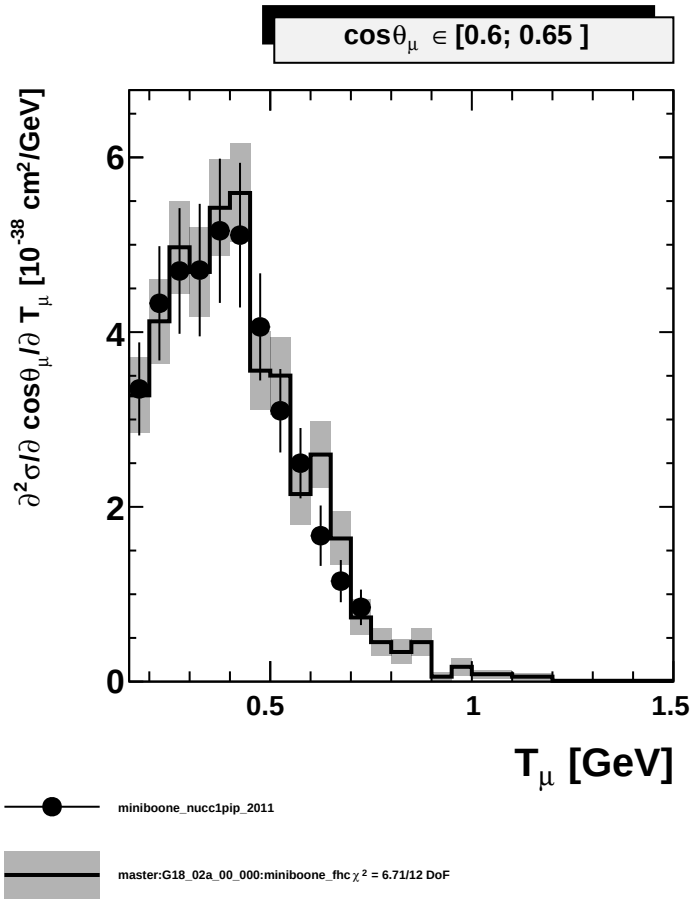

$\cos\theta_\mu \in [0.35; 0.4]$
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 2.77/7 DoF

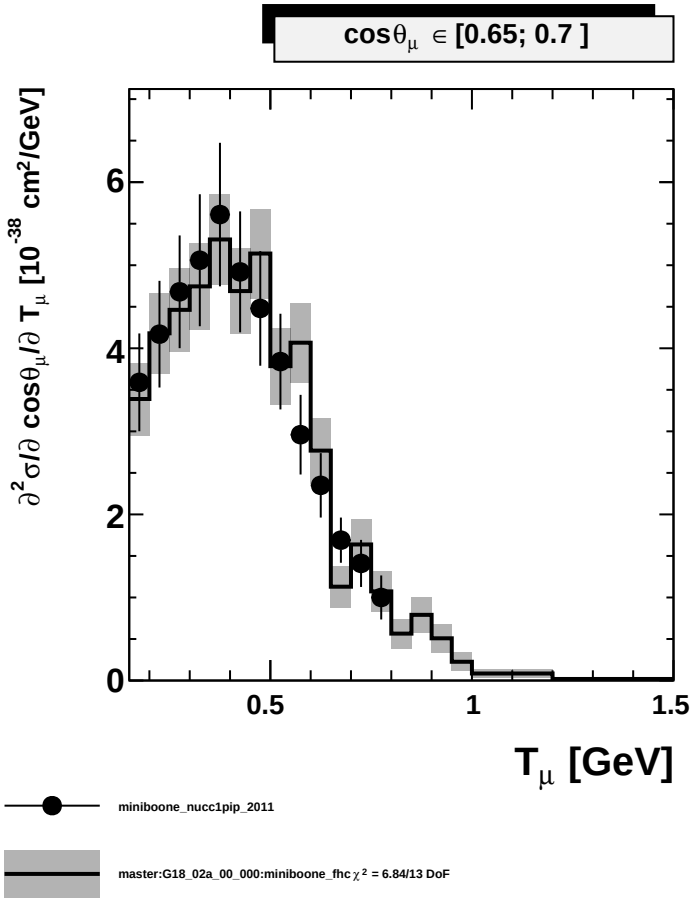

$\cos\theta_\mu \in [0.4; 0.45]$
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 2.93/8 DoF

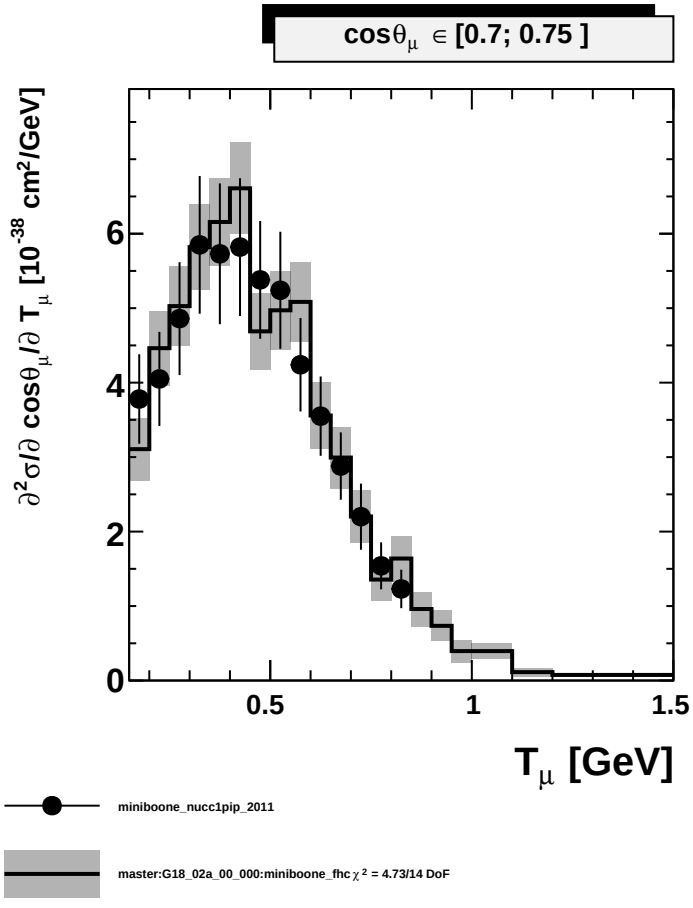

$\cos\theta_\mu \in [0.45; 0.5]$
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 5.44/9 DoF

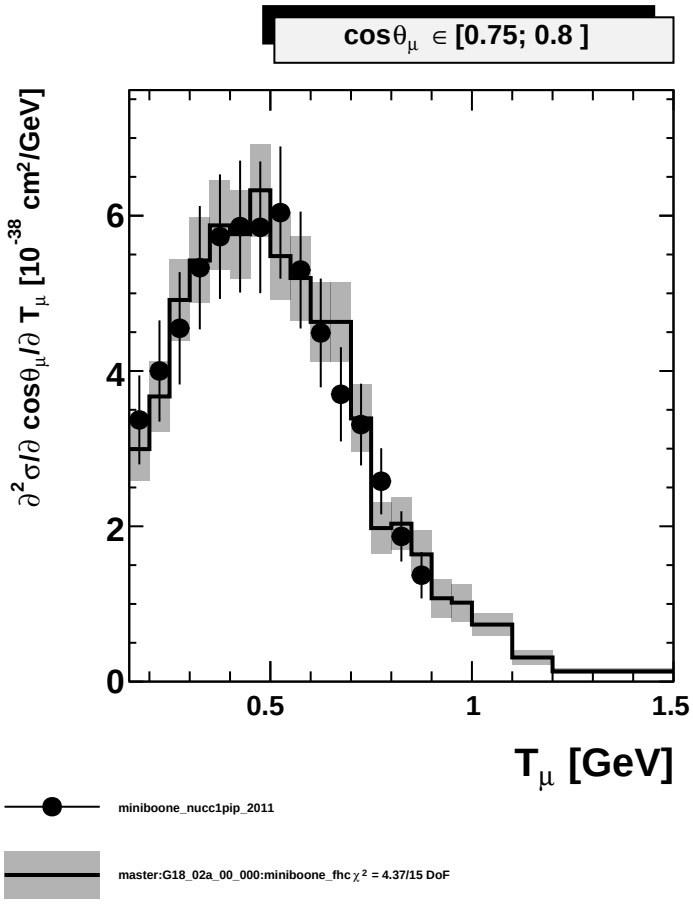

$\cos\theta_\mu \in [0.5; 0.55]$
$\partial^2\sigma/\partial \cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 4.47/9 DoF

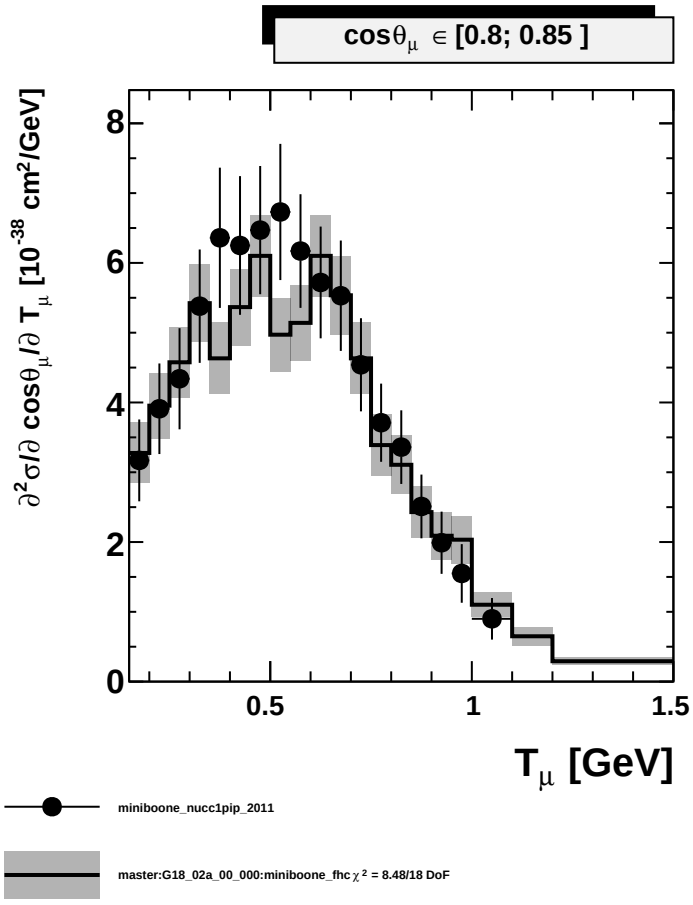

$\cos\theta_\mu \in [0.55; 0.6]$
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 8.3/10 DoF

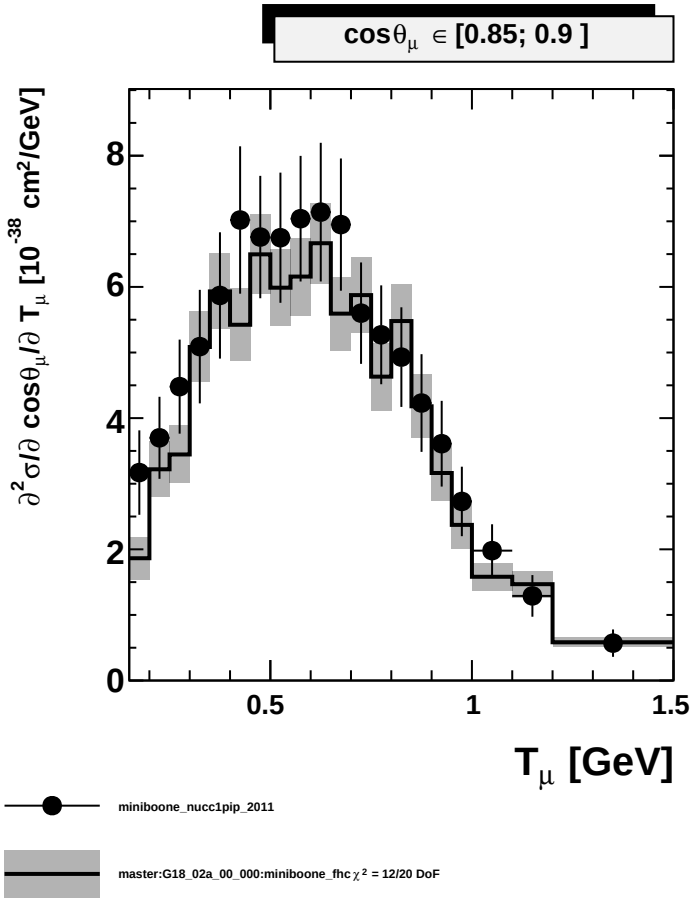

$\cos\theta_\mu \in [0.6; 0.65]$
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 6.71/12 DoF

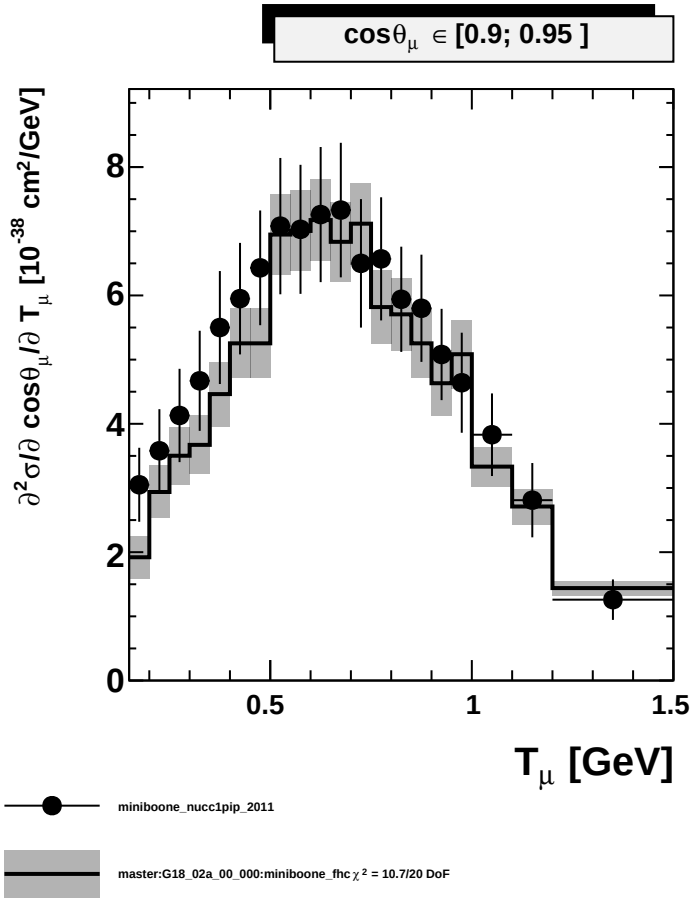

$\cos\theta_\mu \in [0.65; 0.7]$
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 6.84/13 DoF

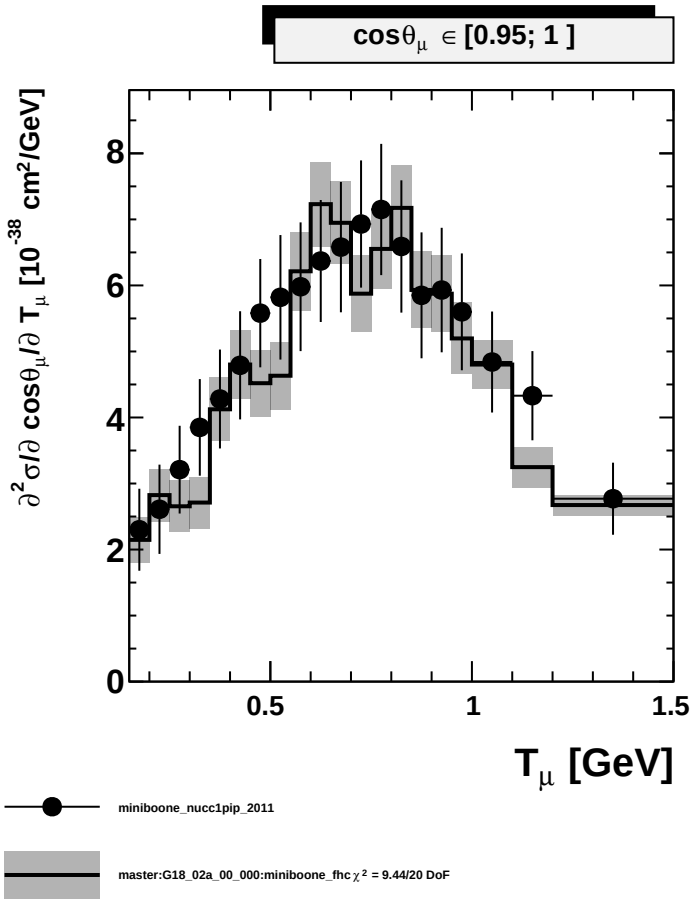

$\cos\theta_\mu \in [0.7; 0.75]$
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 4.73/14 DoF

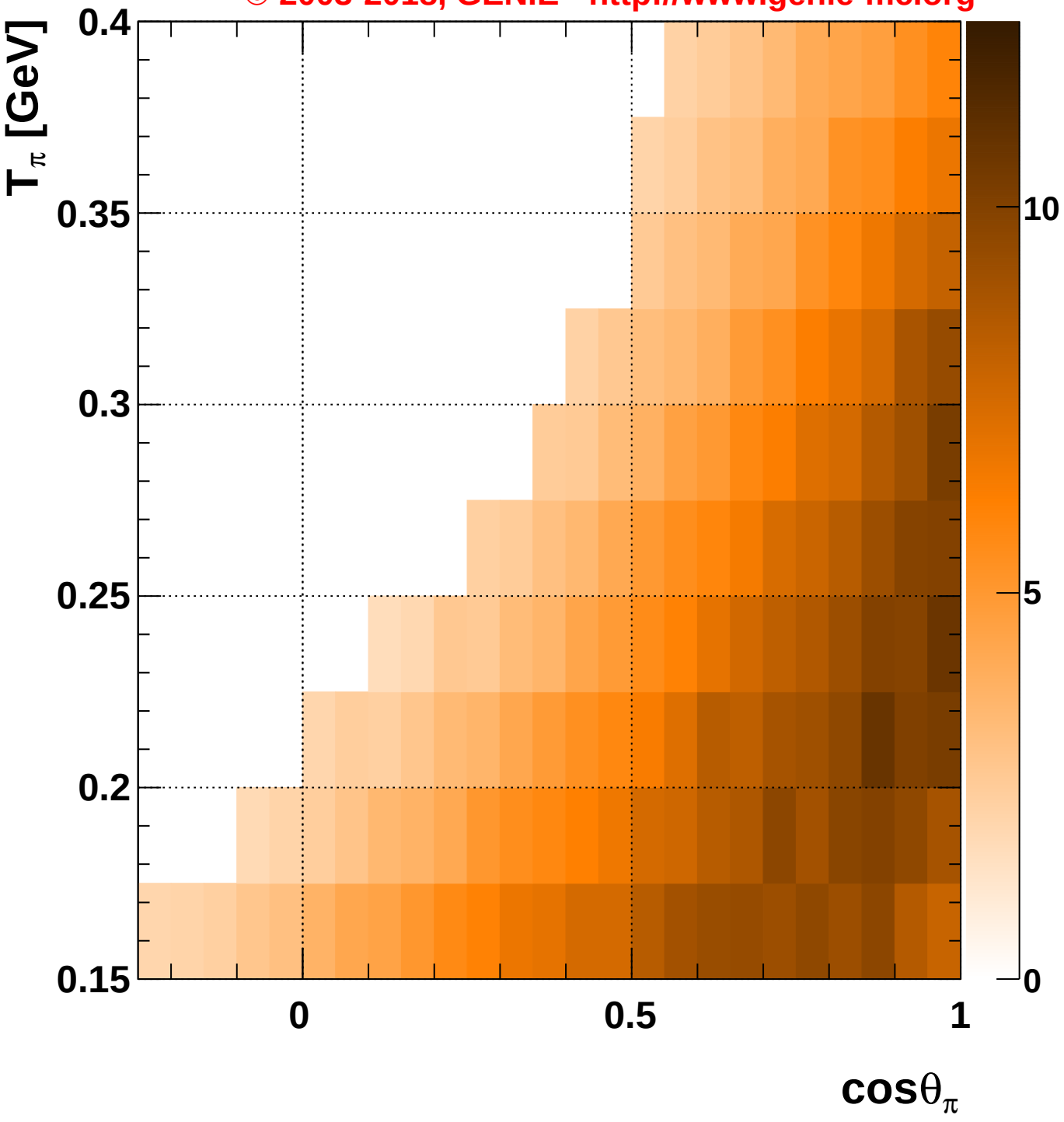

$\cos\theta_\mu \in [0.75; 0.8]$
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 4.37/15 DoF


$\cos\theta_\mu \in [0.8; 0.85]$
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 8.48/18 DoF


$\cos\theta_\mu \in [0.85; 0.9]$
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 12/20 DoF

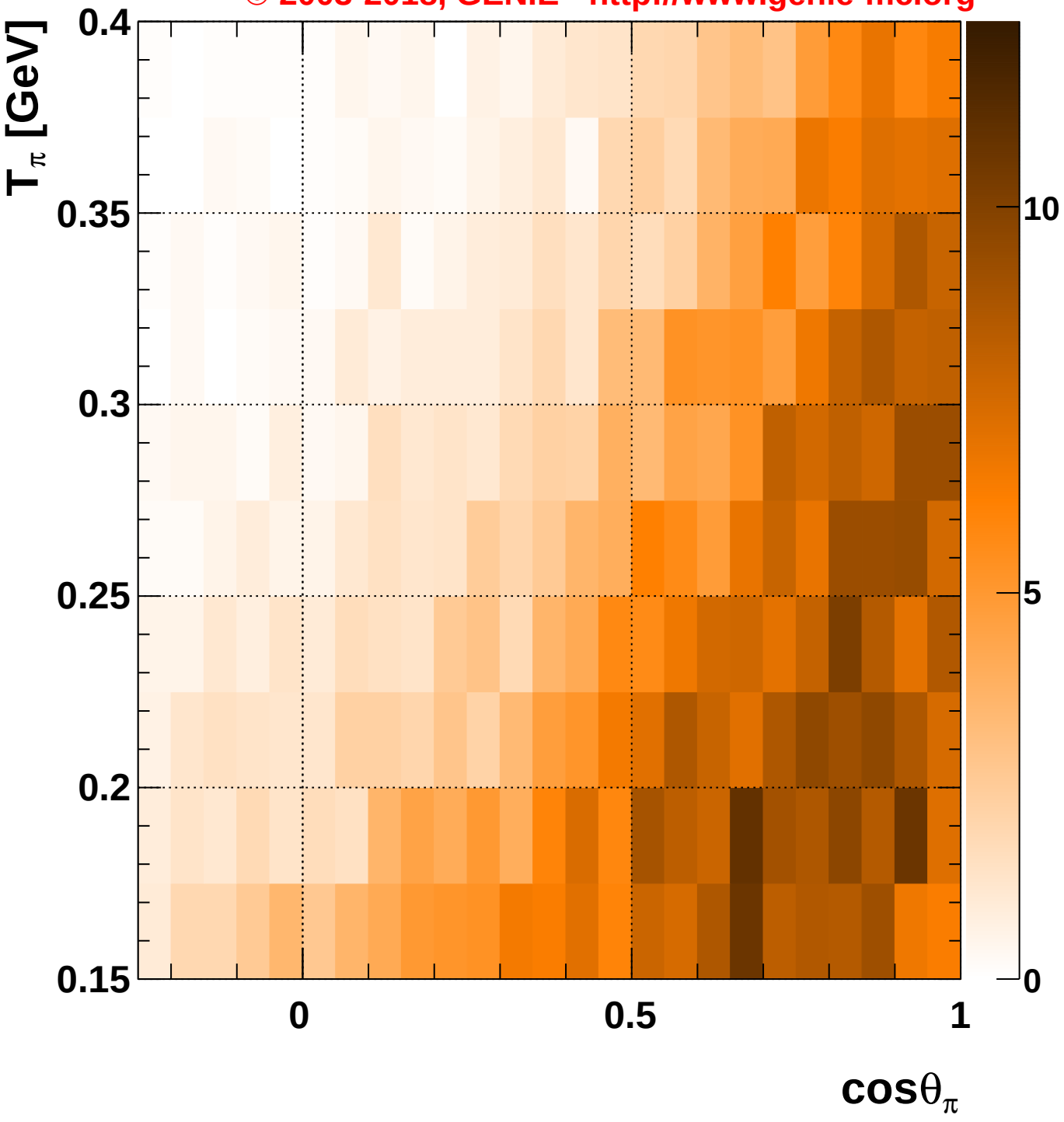

$\cos\theta_\mu \in [0.9; 0.95]$
$\partial^2\sigma/\partial\cos\theta_\mu/\partial T_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 10.7/20 DoF


cosθμ ∈ [0.95; 1]
∂²σ/∂ cosθμ/∂ Tμ [10⁻³⁸ cm²/GeV]
0
2
4
6
8
0.5
1
1.5
Tμ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ² = 9.44/20 DoF



$\partial^2\sigma/\partial \cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]

Data: miniboone_nucc1pip_2011



$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]

Pred: master:G18_02a_00_000:miniboone_fhc

miniboone_nucc1pip_2011

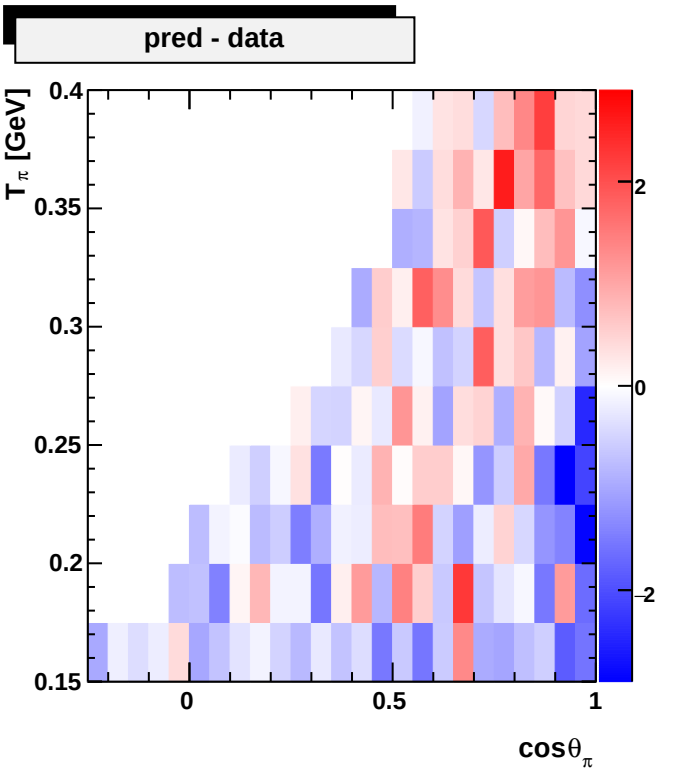
VS

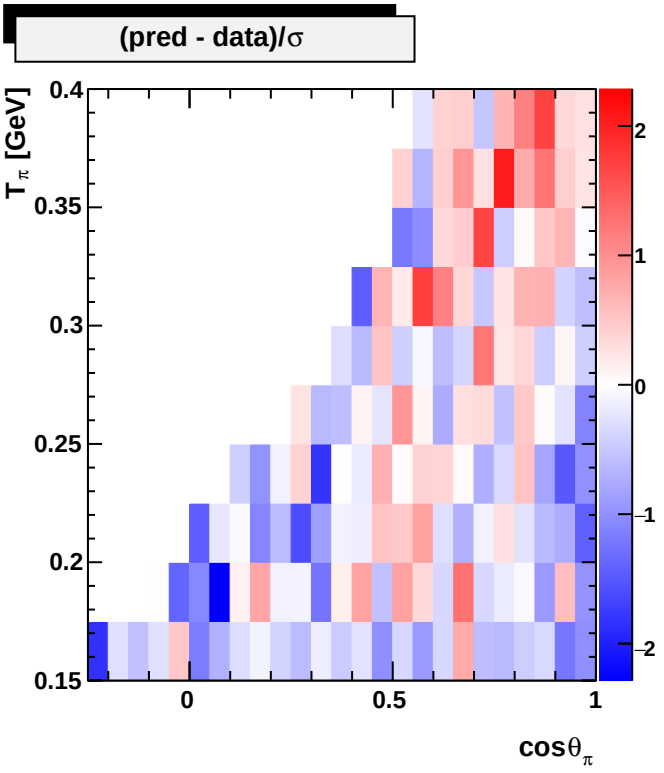
master:G18_02a_00_000:miniboone_fhc

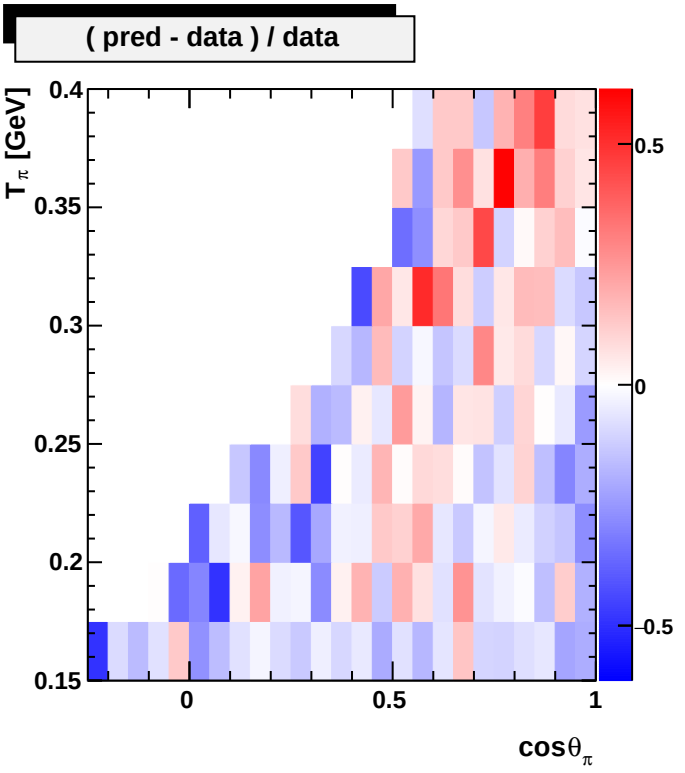
$\partial^2\sigma/\partial \cos\theta_\pi/\partial T_\pi$

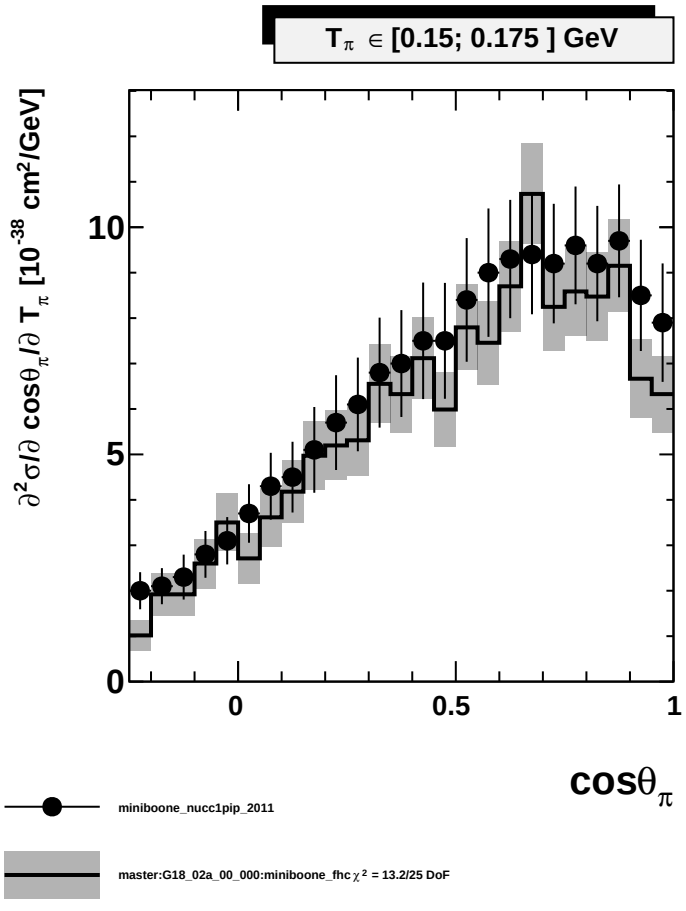
[10^{-38} cm^2/GeV]

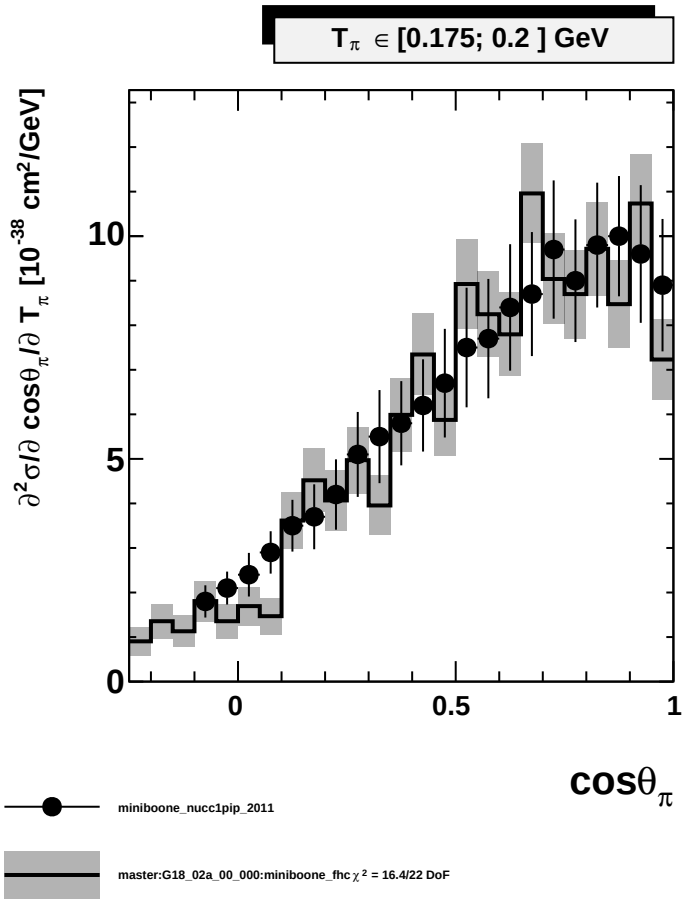
χ^2 = 88.8333/154 DoF

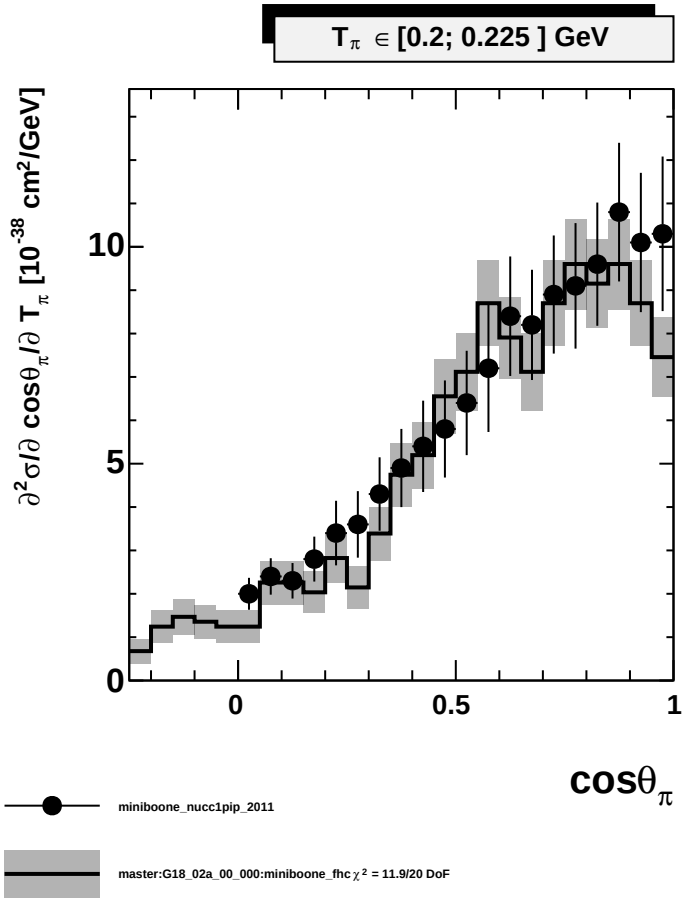


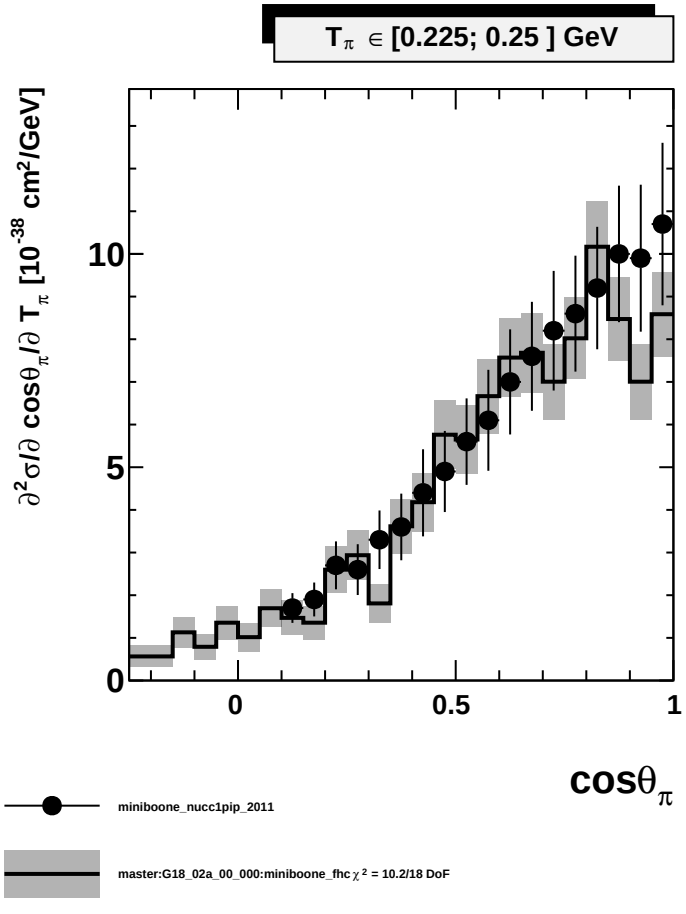


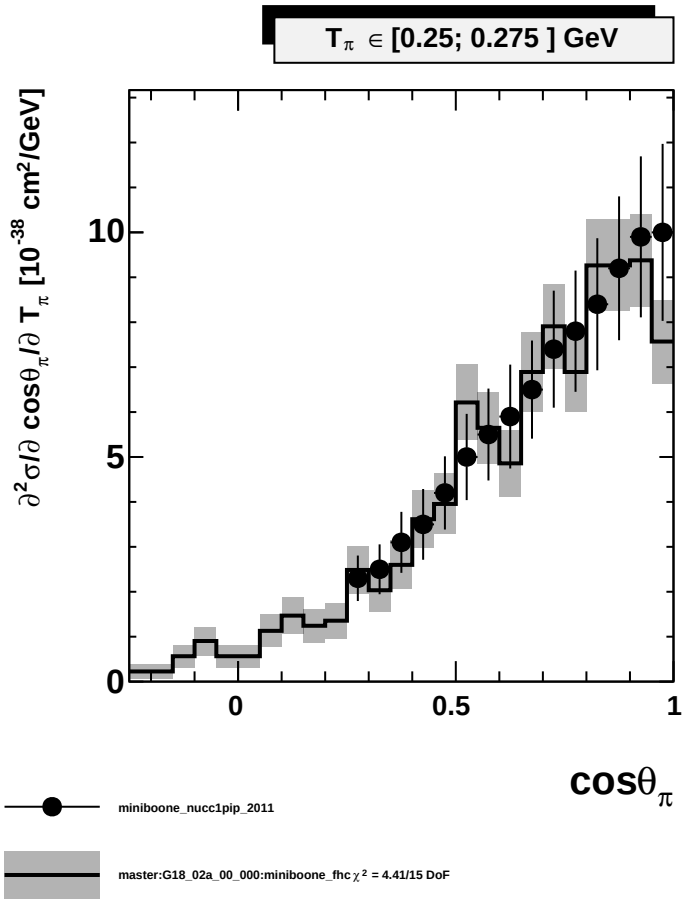


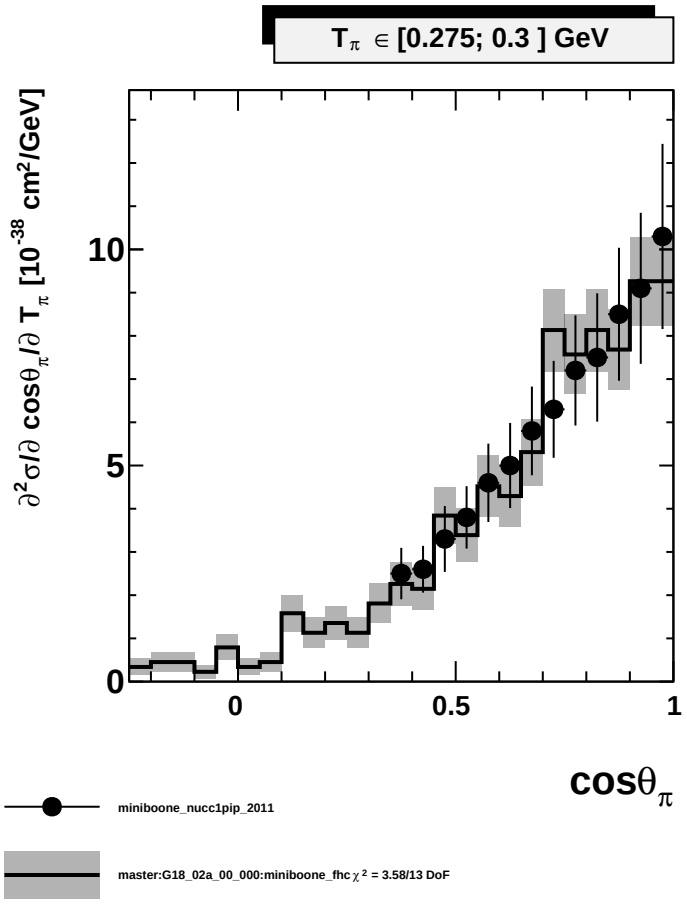

$T_\pi \in$ [0.15; 0.175] GeV
$\partial^2\sigma/\partial \cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
0
5
10
0
0.5
1
$\cos\theta_\pi$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 13.2/25 DoF

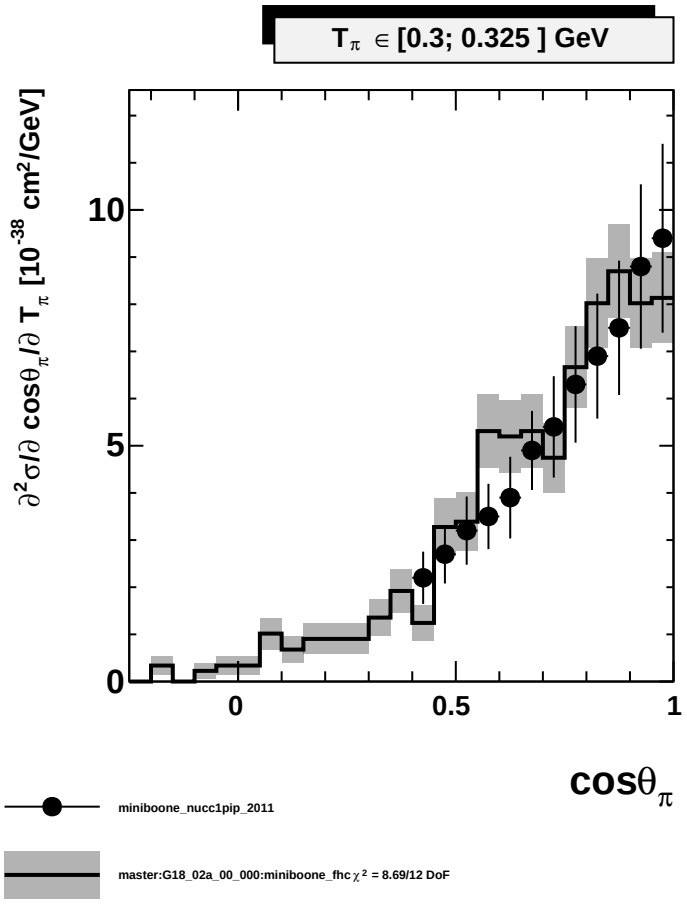

$T_\pi \in$ [0.175; 0.2] GeV
$\partial^2\sigma/\partial \cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
0
5
10
0
0.5
1
$\cos\theta_\pi$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 16.4/22 DoF

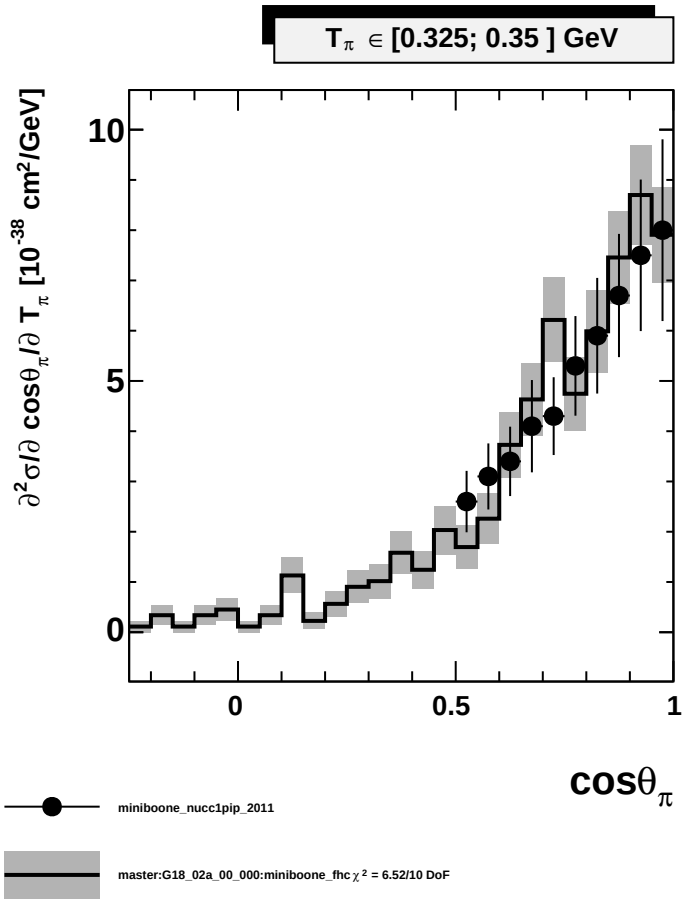

$T_\pi \in$ [0.2; 0.225] GeV
$\partial^2\sigma/\partial \cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
0
5
10
0
0.5
1
$\cos\theta_\pi$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 11.9/20 DoF

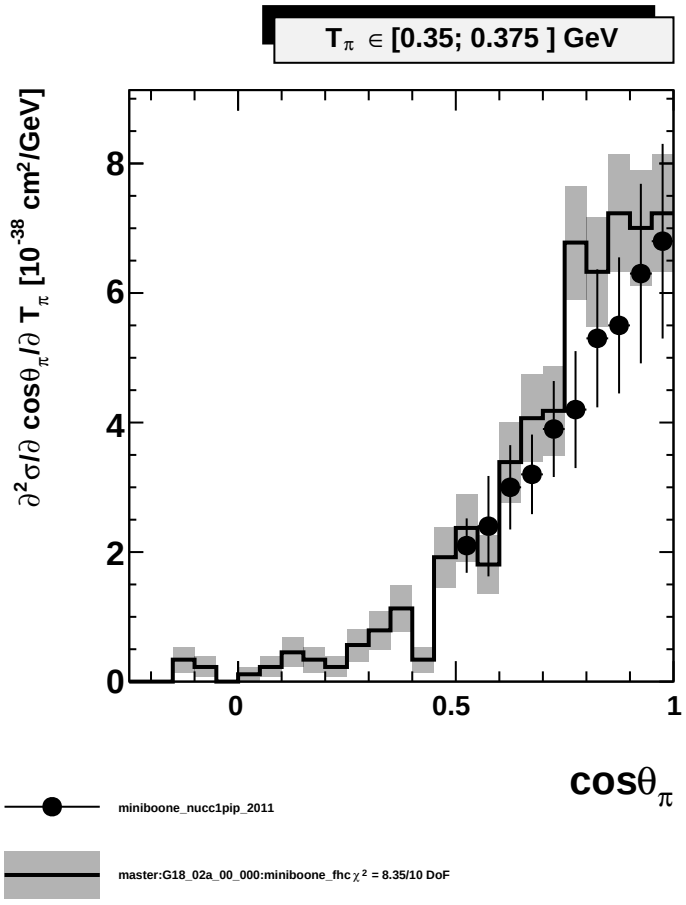

$T_\pi \in$ [0.225; 0.25] GeV
$\partial^2\sigma/\partial \cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
0
5
10
0
0.5
1
$\cos\theta_\pi$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 10.2/18 DoF

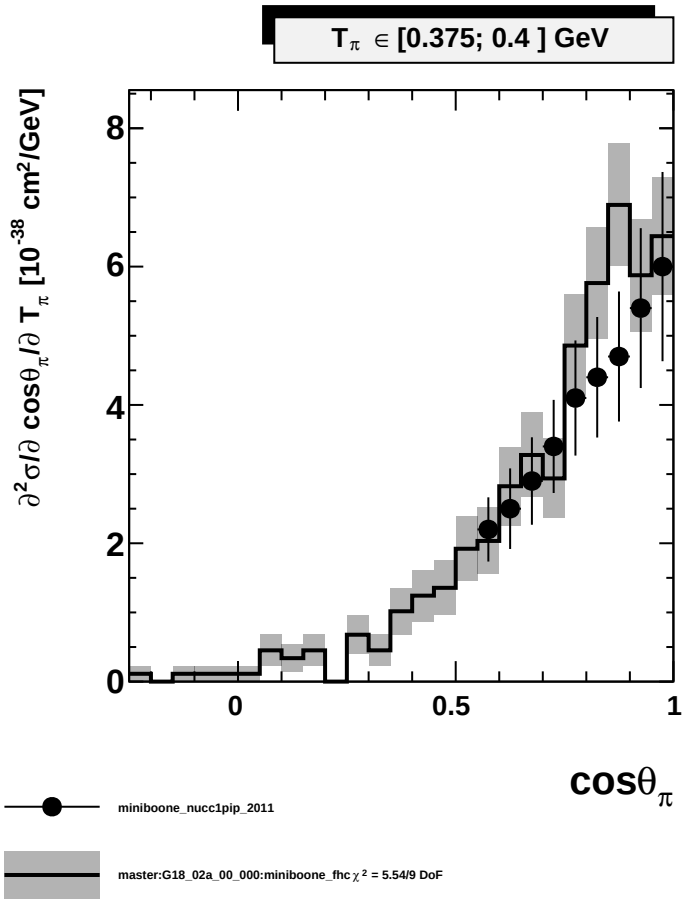

$T_\pi \in$ [0.25; 0.275] GeV
$\partial^2\sigma/\partial \cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
$\cos\theta_\pi$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 4.41/15 DoF

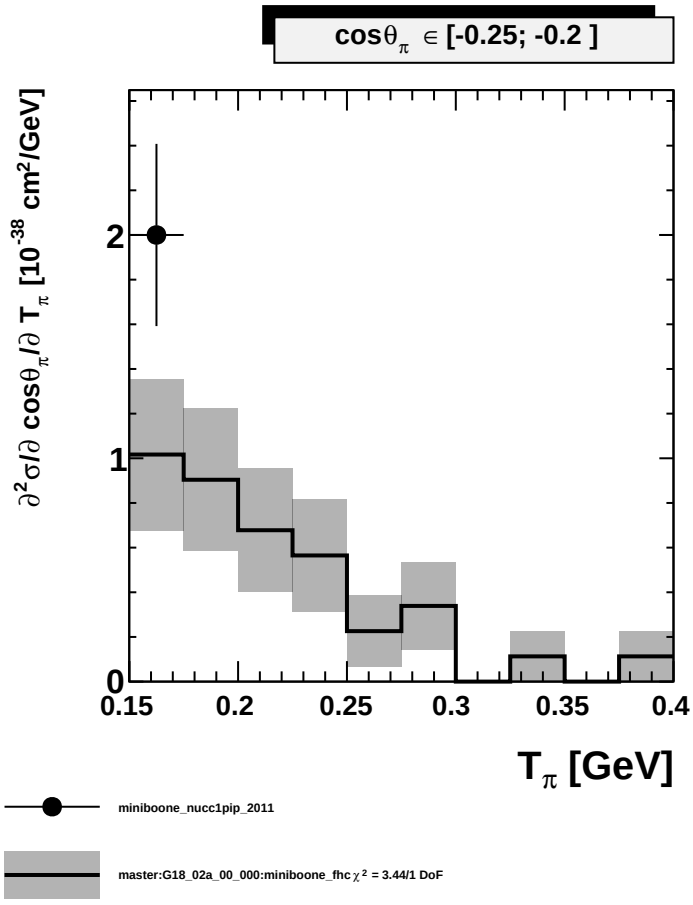

$T_\pi \in$ [0.275; 0.3] GeV
$\partial^2\sigma/\partial \cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
$\cos\theta_\pi$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 3.58/13 DoF

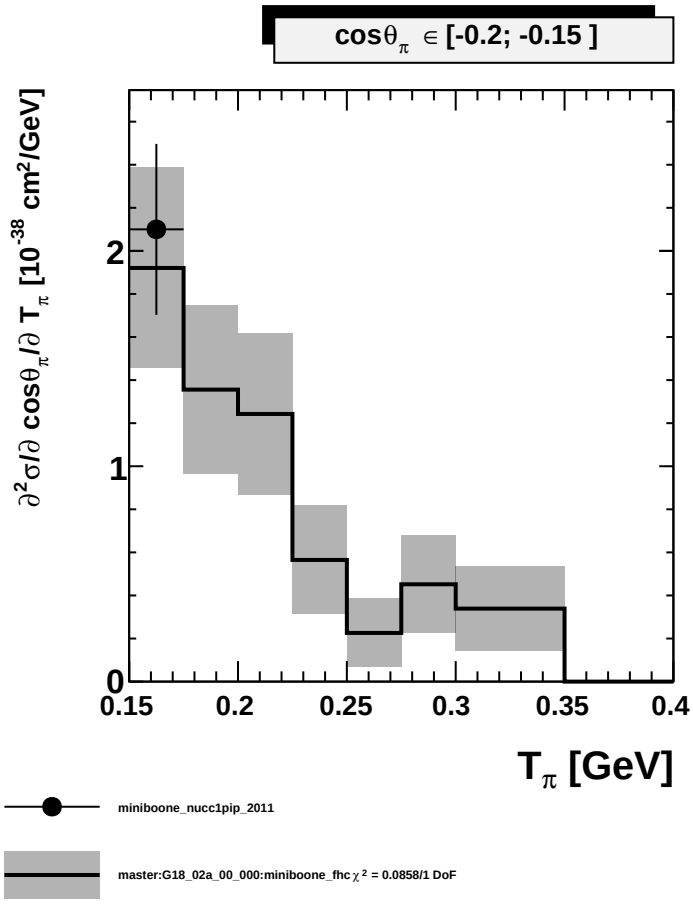

$T_\pi \in$ [0.3; 0.325] GeV
$\partial^2\sigma/\partial \cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
$\cos\theta_\pi$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 8.69/12 DoF

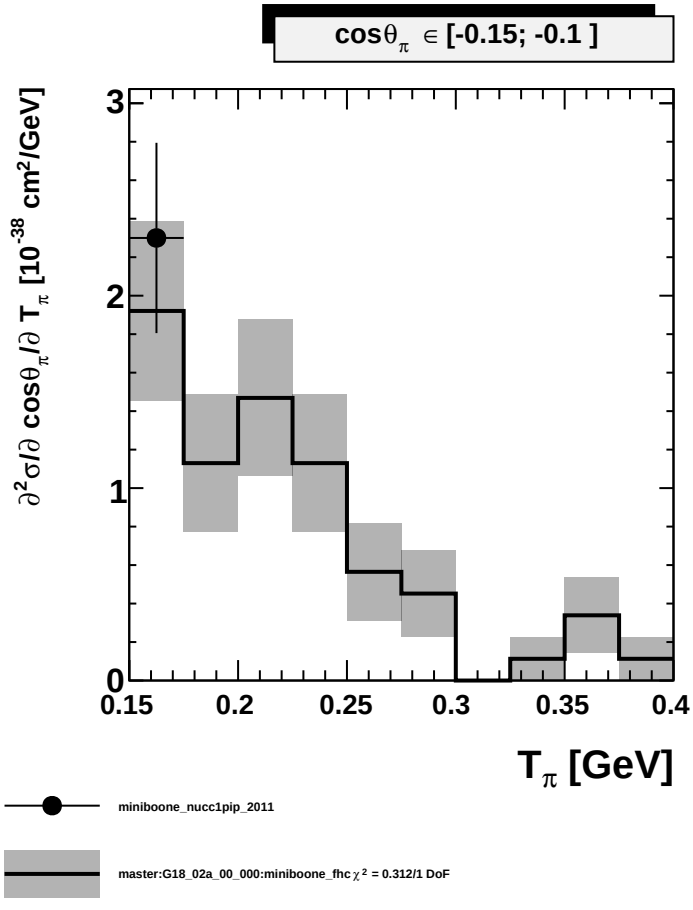

$T_\pi \in$ [0.325; 0.35] GeV
$\partial^2\sigma/\partial \cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
$\cos\theta_\pi$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 6.52/10 DoF

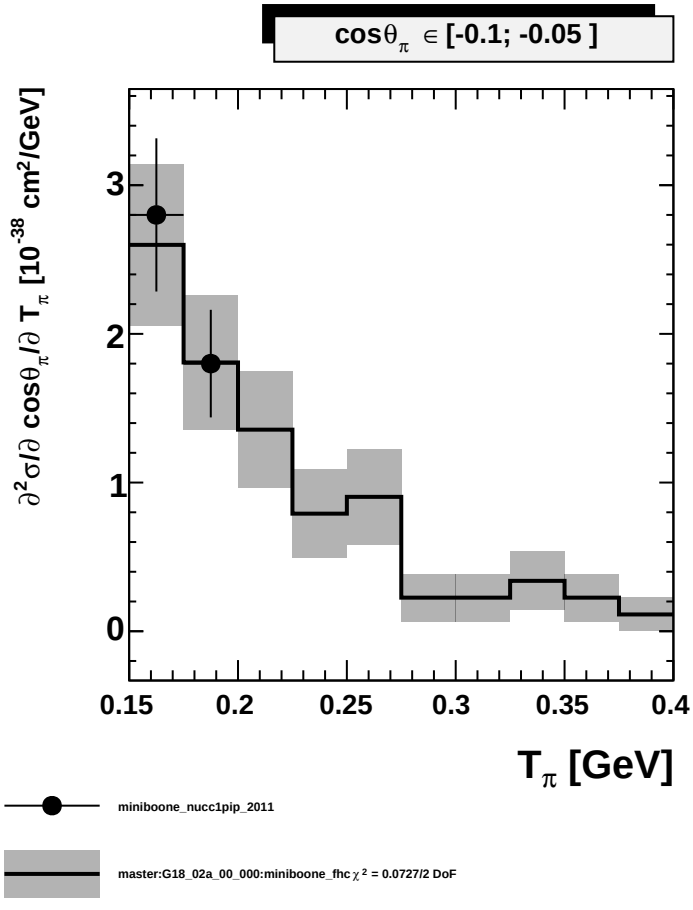

$T_\pi \in [0.35; 0.375]$ GeV
$\partial^2\sigma/\partial \cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
0
2
4
6
8
0
0.5
1
$\cos\theta_\pi$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 8.35/10 DoF

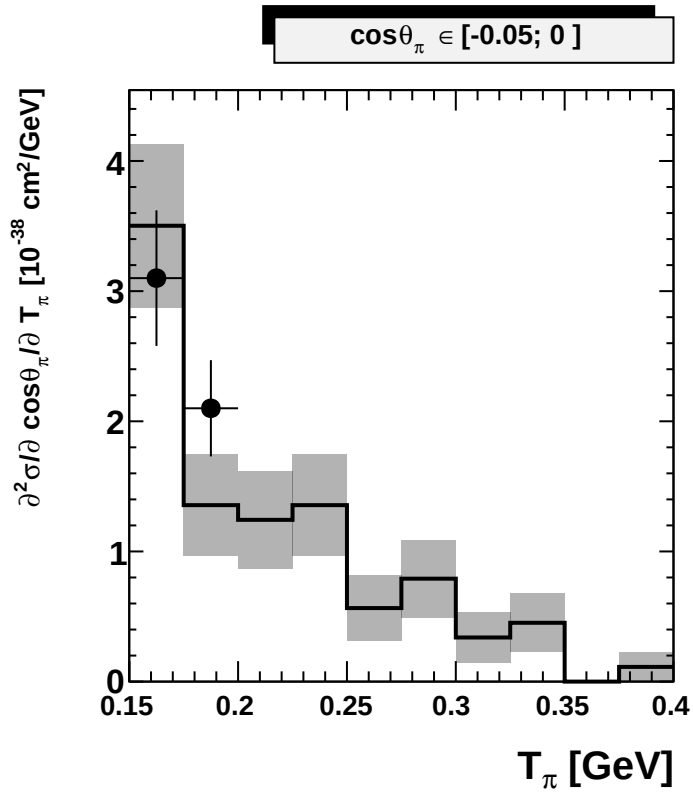

$T_\pi \in [0.375; 0.4]$ GeV
$\partial^2\sigma/\partial \cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
0
2
4
6
8
0
0.5
1
$\cos\theta_\pi$
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 5.54/9 DoF

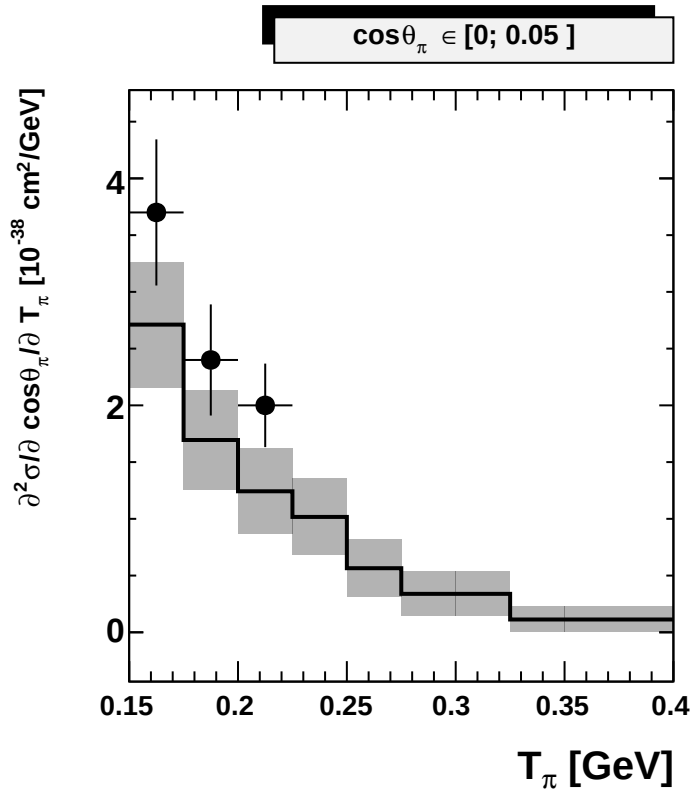

cosθ_π ∈ [-0.25; -0.2]
∂²σ/∂ cosθ_π/∂ T_π [10^-38 cm²/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ² = 3.44/1 DoF

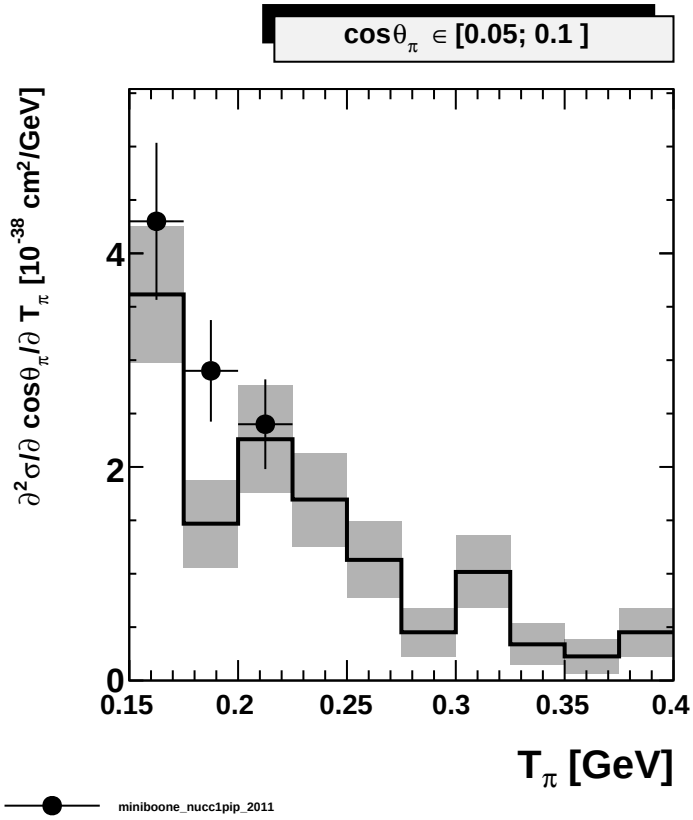

cosθ_π ∈ [-0.2; -0.15]
∂²σ/∂ cosθ_π/∂ T_π [10^-38 cm²/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ² = 0.0858/1 DoF

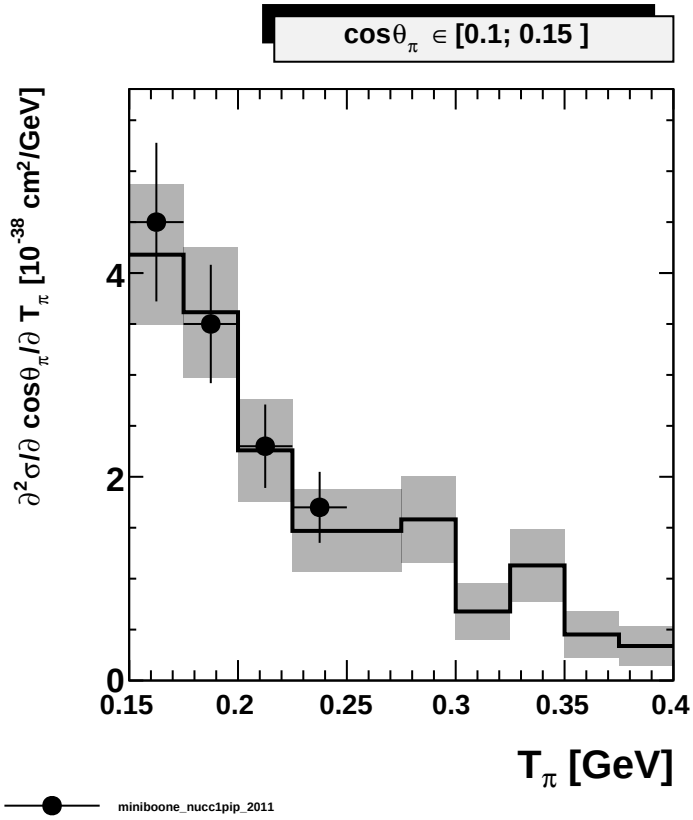

cosθ_π ∈ [-0.15; -0.1]
∂²σ/∂ cosθ_π/∂ T_π [10^-38 cm²/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ² = 0.312/1 DoF

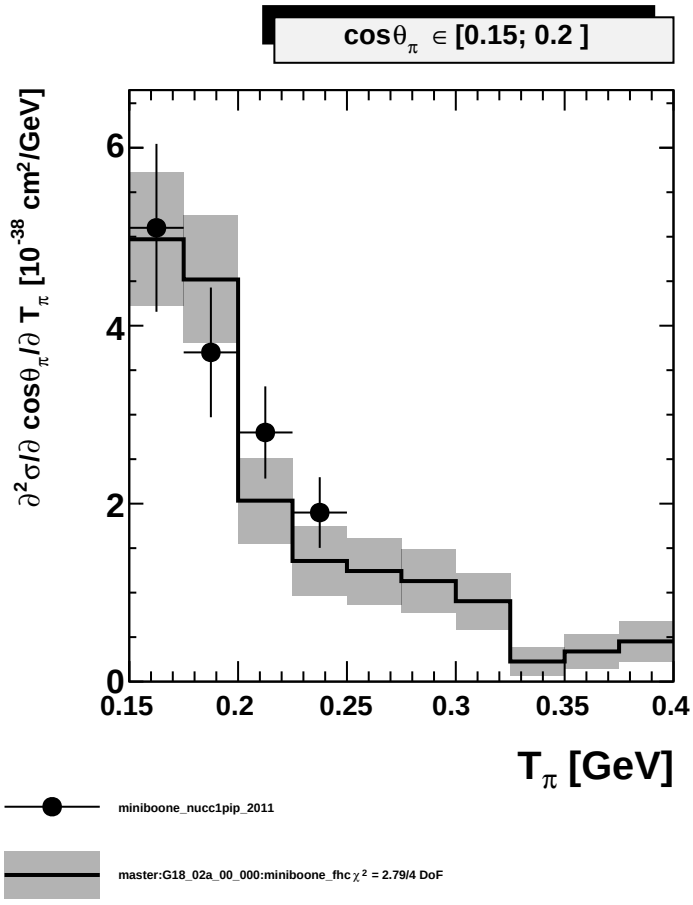

cosθ_π ∈ [-0.1; -0.05]
∂²σ/∂ cosθ_π/∂ T_π [10^-38 cm²/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ² = 0.0727/2 DoF

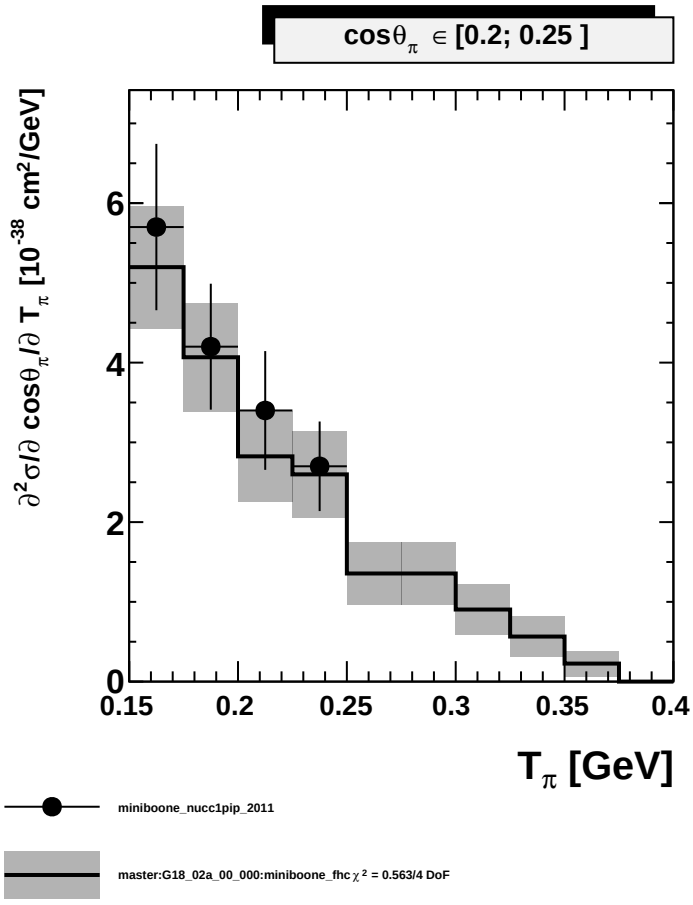

cosθ_π ∈ [-0.05; 0]
∂²σ/∂ cosθ_π/∂ T_π [10^-38 cm²/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ² = 2.15/2 DoF

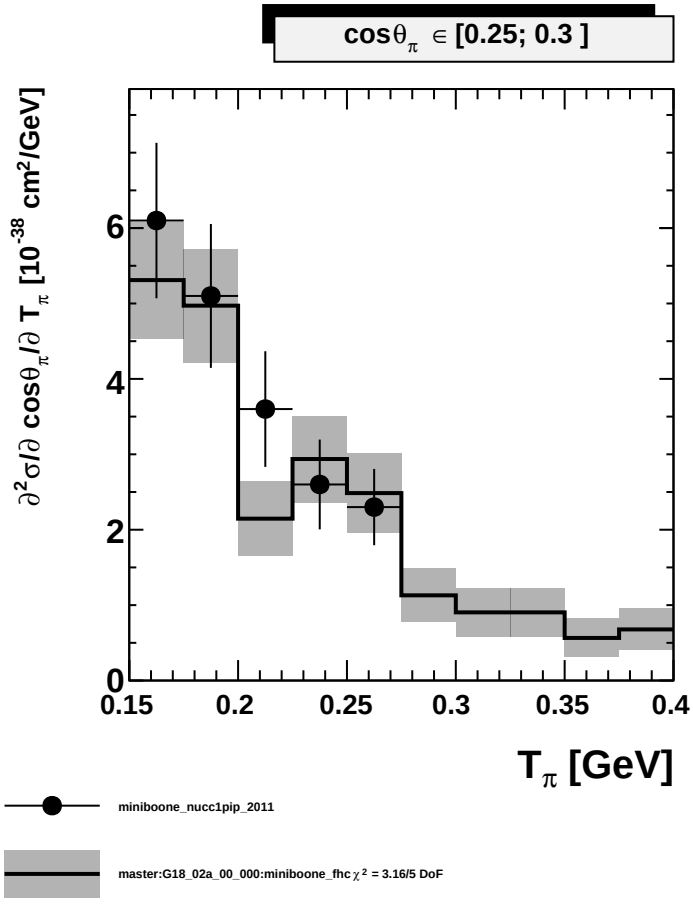

cosθ_π ∈ [0; 0.05]
∂²σ/∂ cosθ_π/∂ T_π [10^-38 cm²/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ² = 4.59/3 DoF

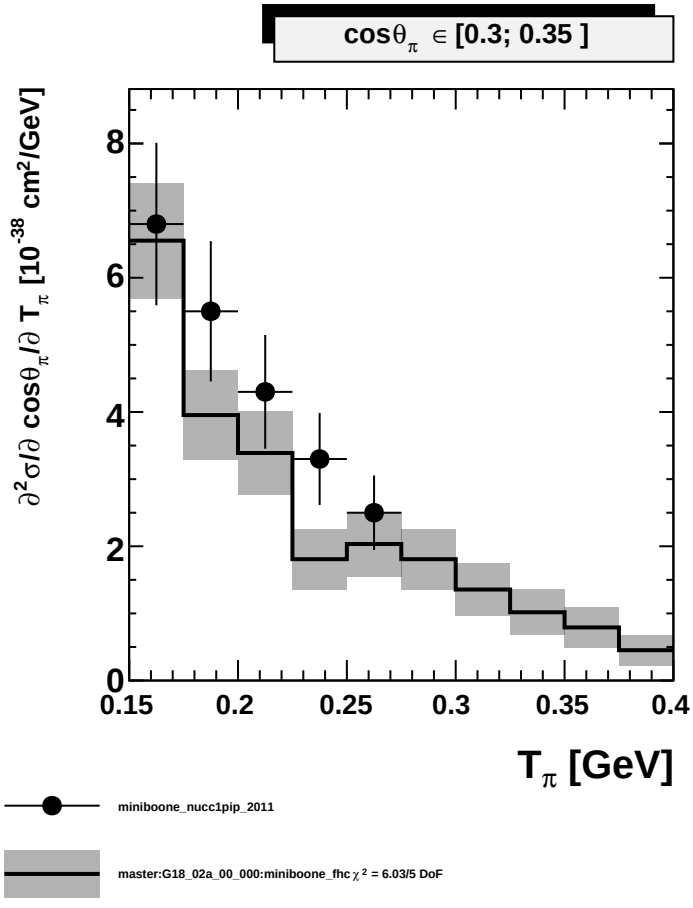

cosθ_π ∈ [0.05; 0.1]
∂²σ/∂ cosθ_π/∂ T_π [10^-38 cm²/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ² = 5.76/3 DoF

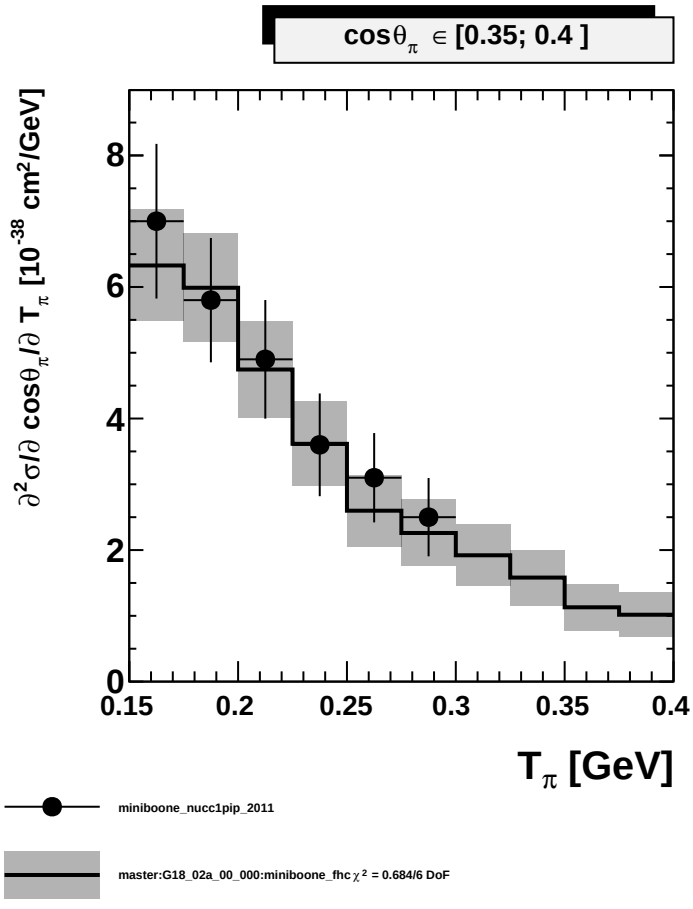

cosθ_π ∈ [0.1; 0.15]
∂²σ/∂ cosθ_π/∂ T_π [10^-38 cm²/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ² = 0.302/4 DoF

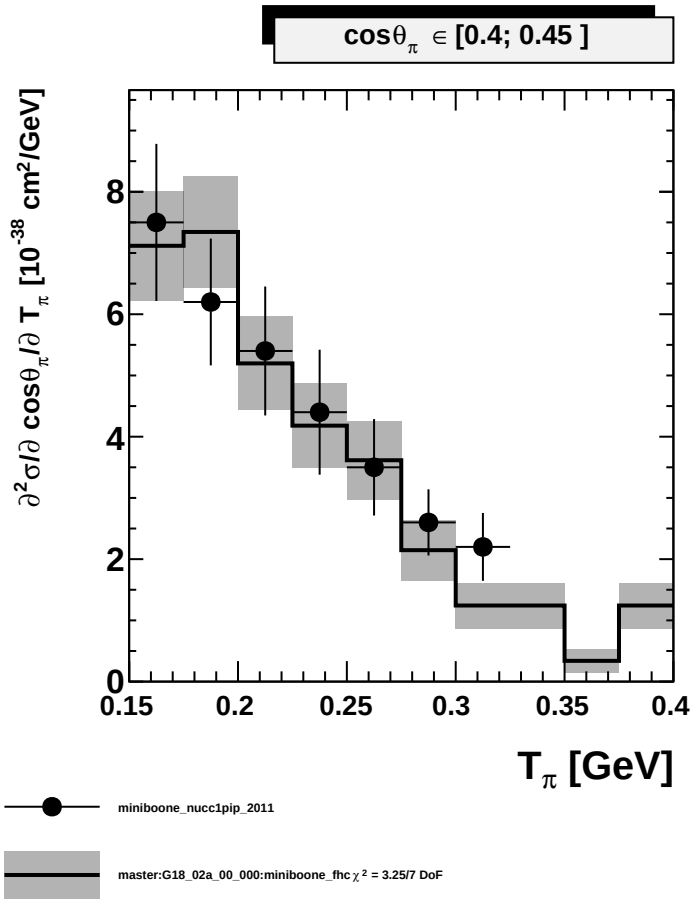

$\cos\theta_\pi \in [0.15; 0.2]$
$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 2.79/4 DoF

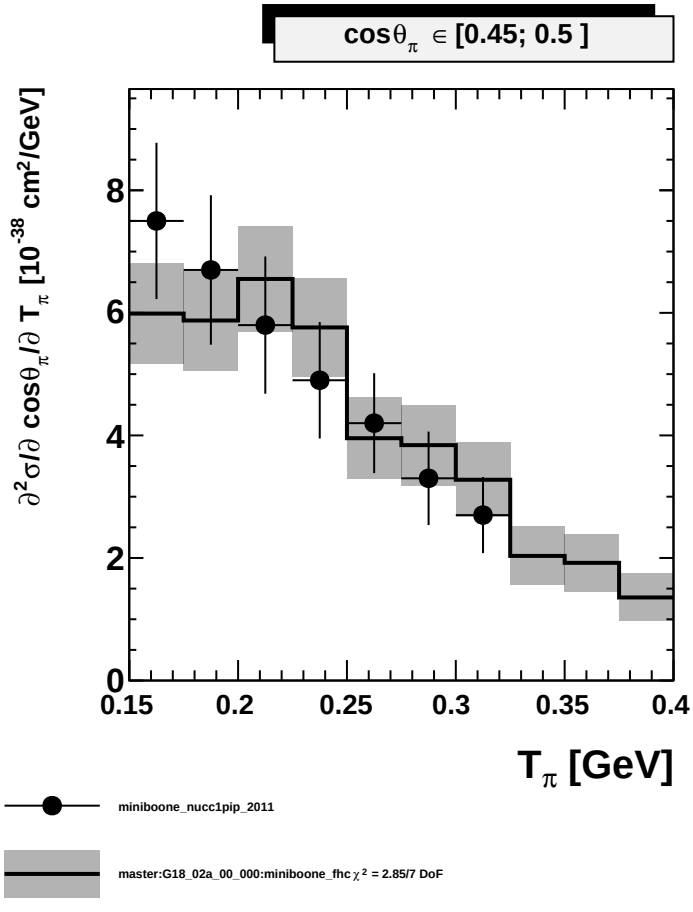

$\cos\theta_\pi \in [0.2; 0.25]$
$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 0.563/4 DoF

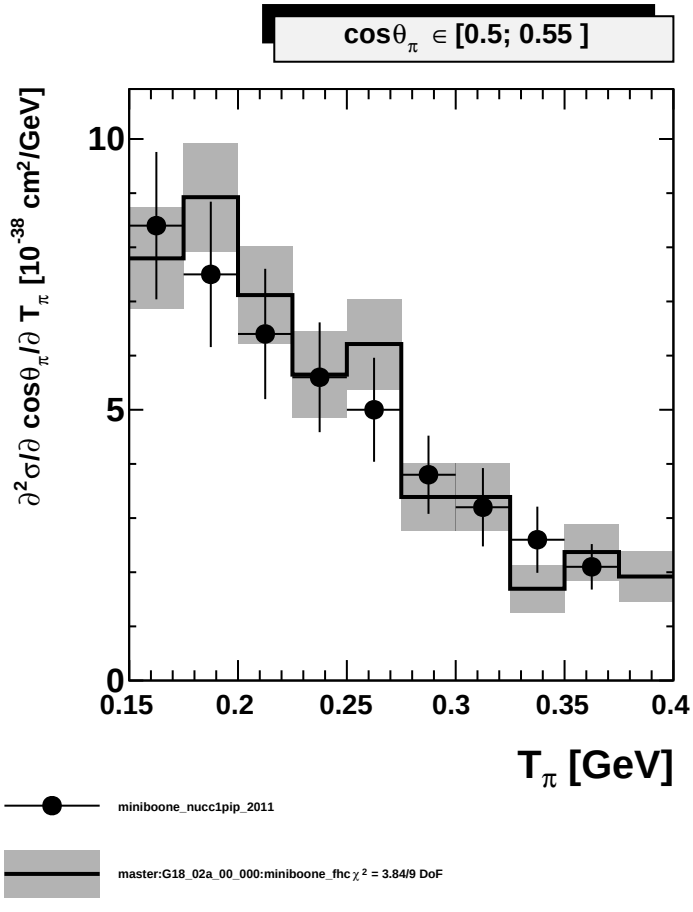

$\cos\theta_\pi \in [0.25; 0.3]$
$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 3.16/5 DoF

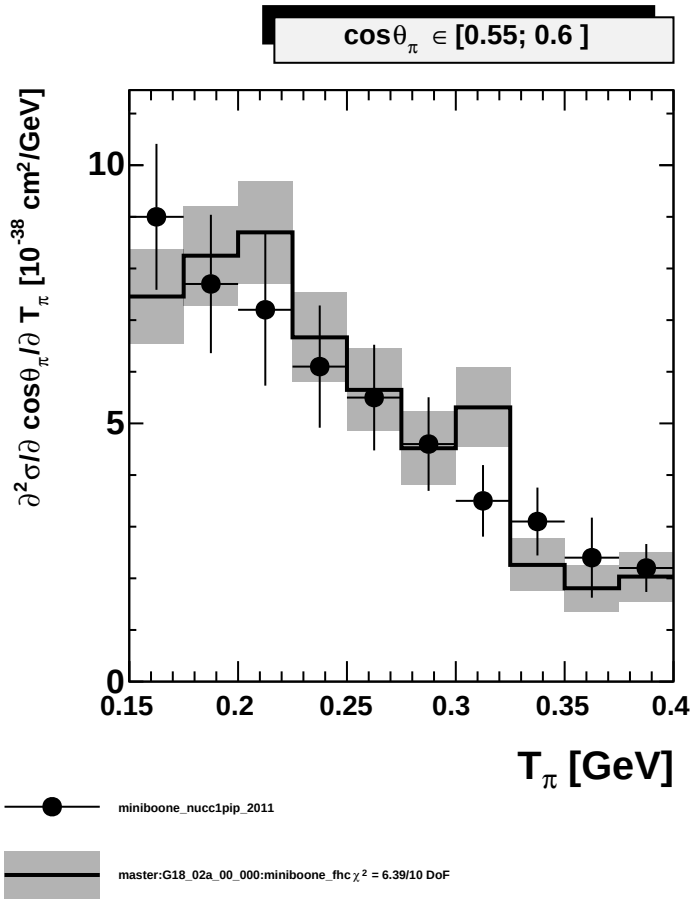

$\cos\theta_\pi \in [0.3; 0.35]$
$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 6.03/5 DoF

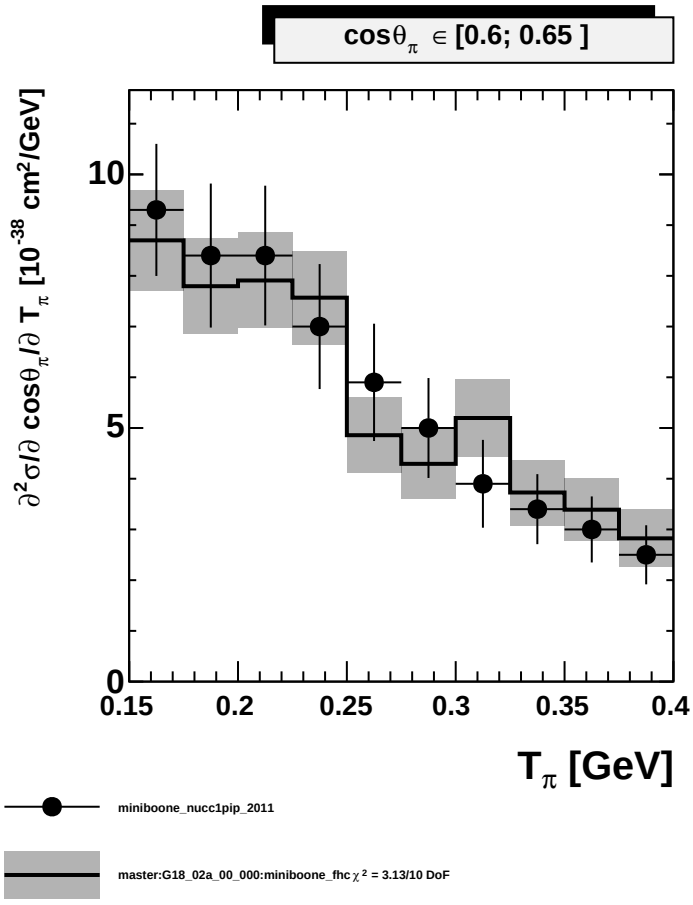

$\cos\theta_\pi \in [0.35; 0.4]$
$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 0.684/6 DoF

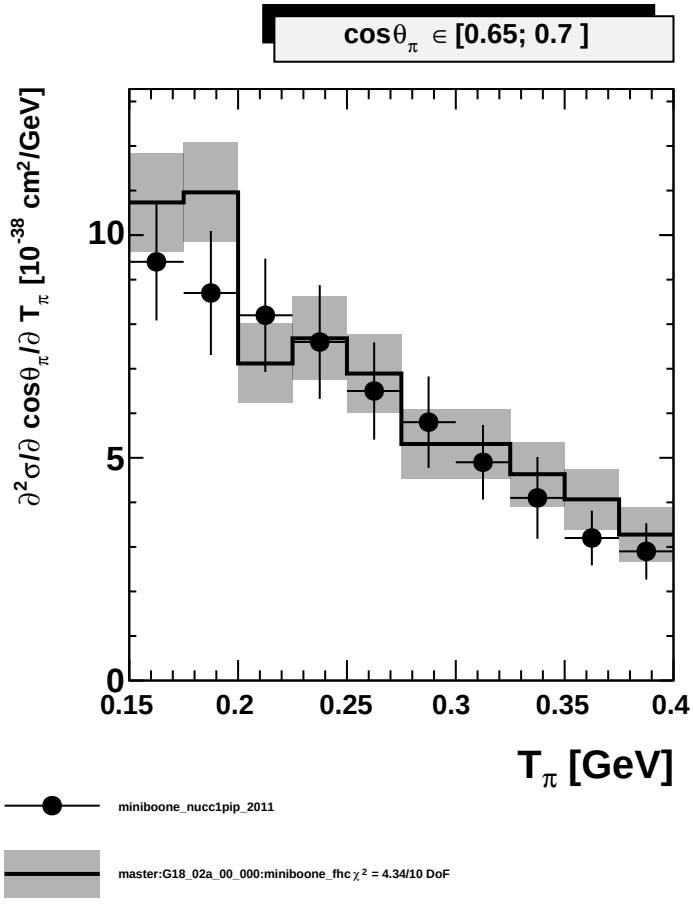

$\cos\theta_\pi \in [0.4; 0.45]$
$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 3.25/7 DoF

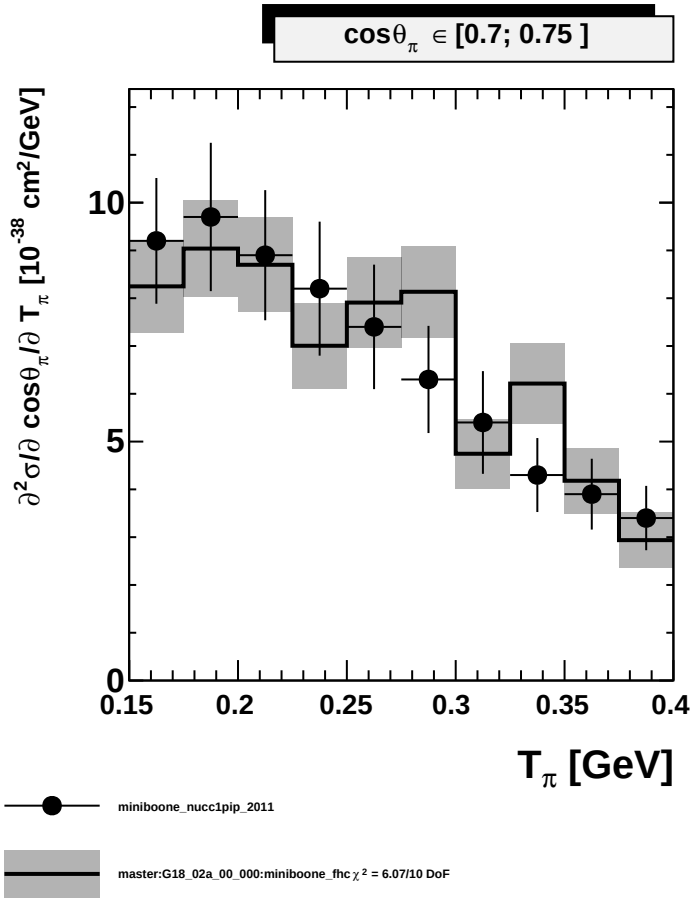

$\cos\theta_\pi \in [0.45; 0.5]$
$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 2.85/7 DoF

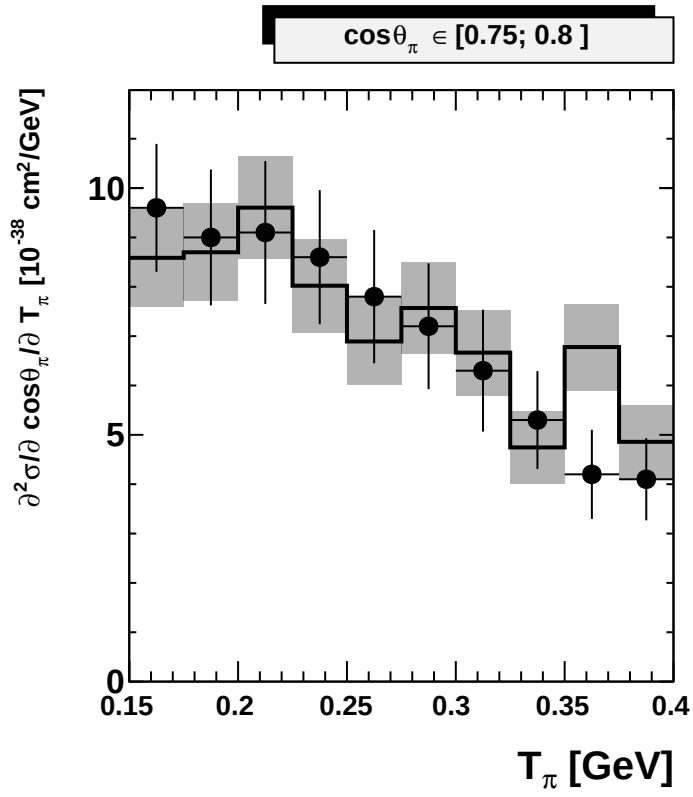

$\cos\theta_\pi \in [0.5; 0.55]$
$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 3.84/9 DoF

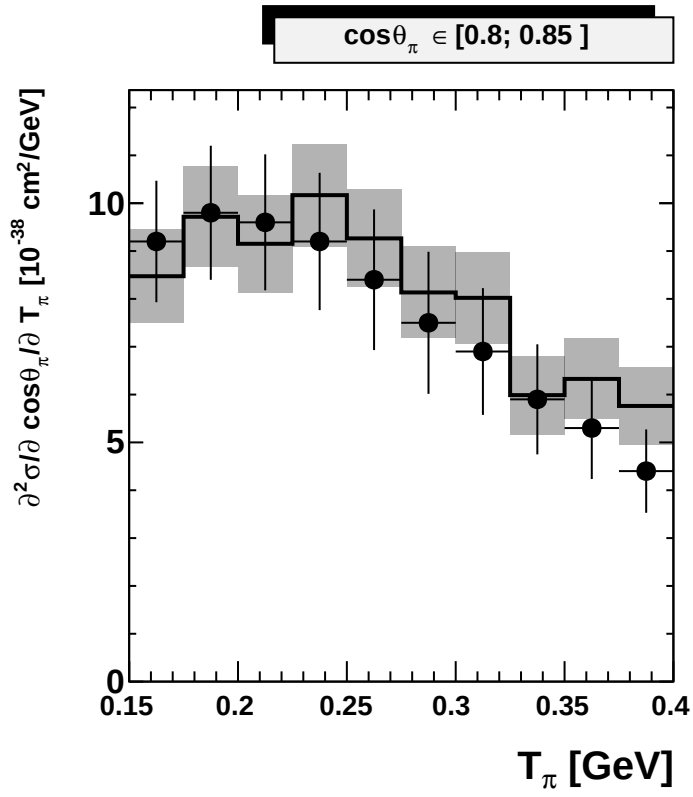

$\cos\theta_\pi \in [0.55; 0.6]$
$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 6.39/10 DoF

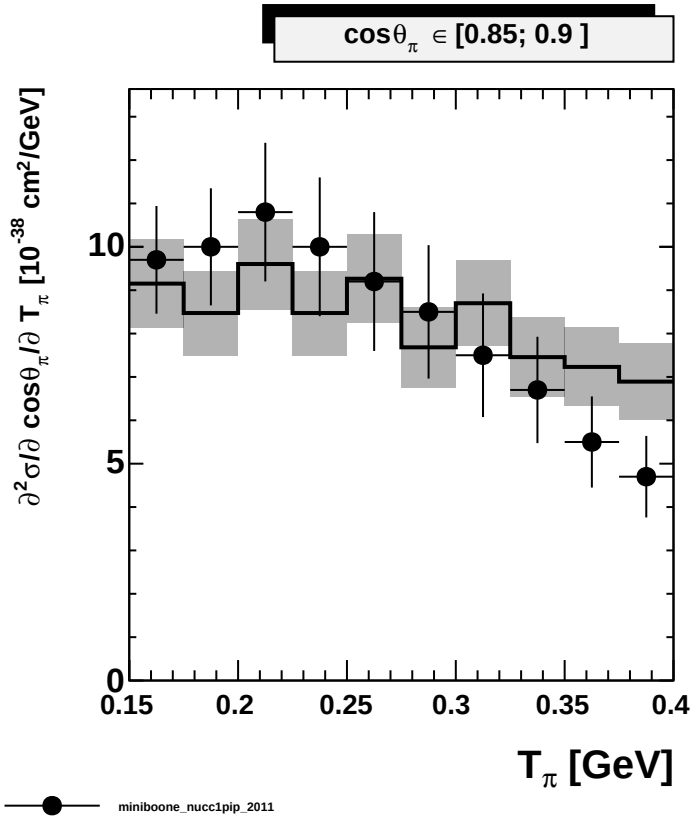

$\cos\theta_\pi \in [0.6; 0.65]$
$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 3.13/10 DoF

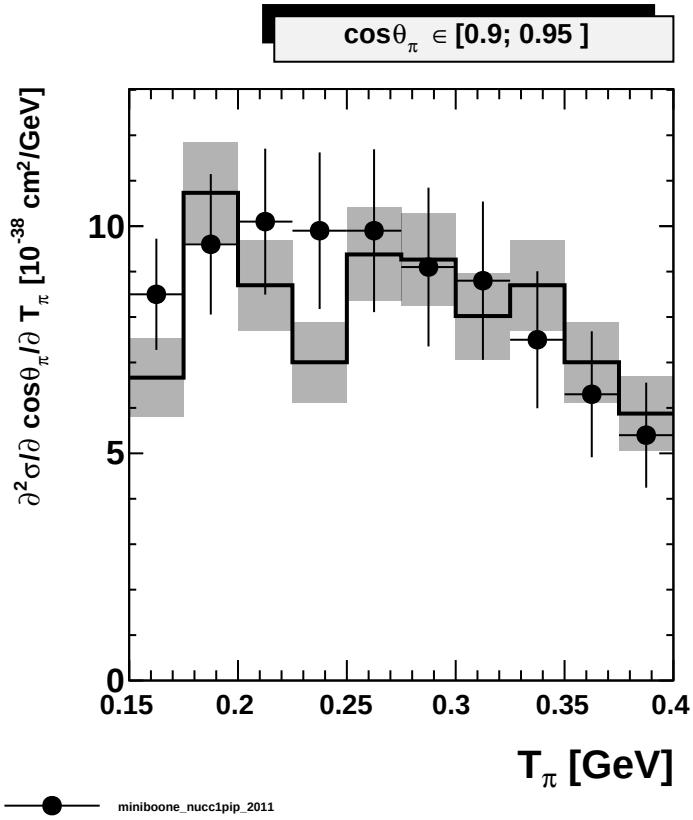

$\cos\theta_\pi \in [0.65; 0.7]$
$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 4.34/10 DoF

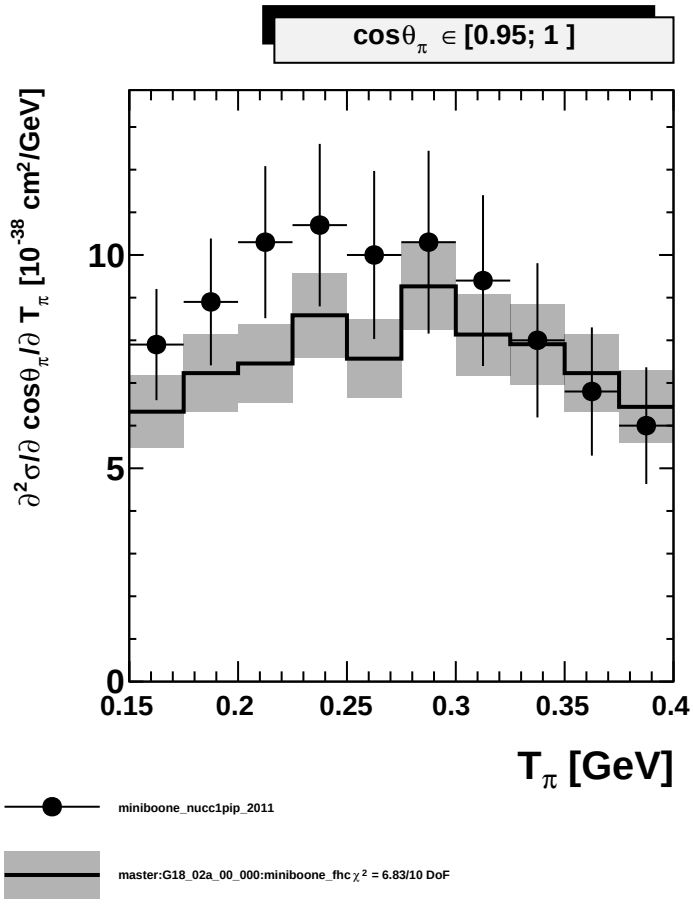

$\cos\theta_\pi \in [0.7; 0.75]$
$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 6.07/10 DoF

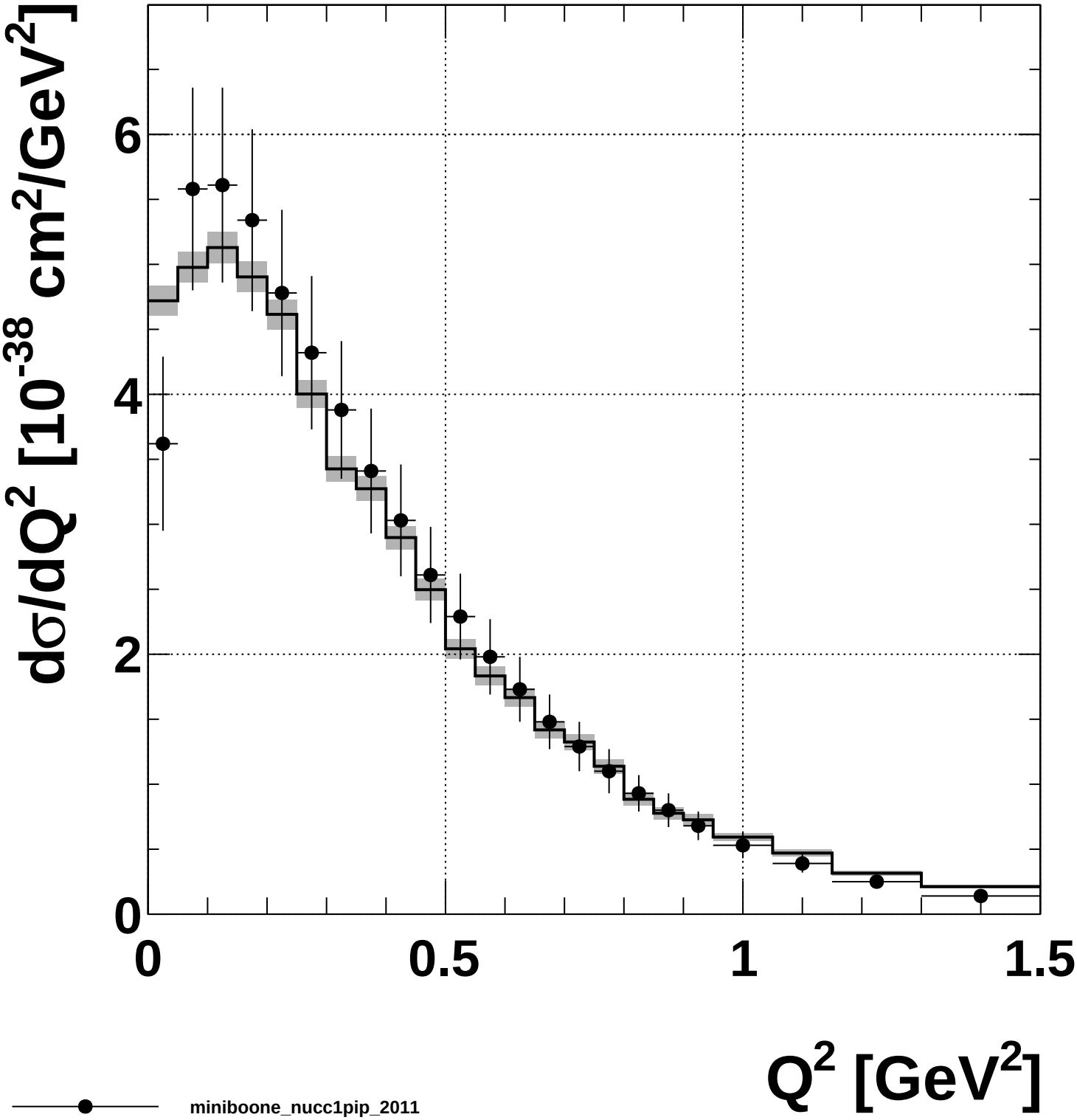

$\cos\theta_\pi \in [0.75; 0.8]$
$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 5.92/10 DoF

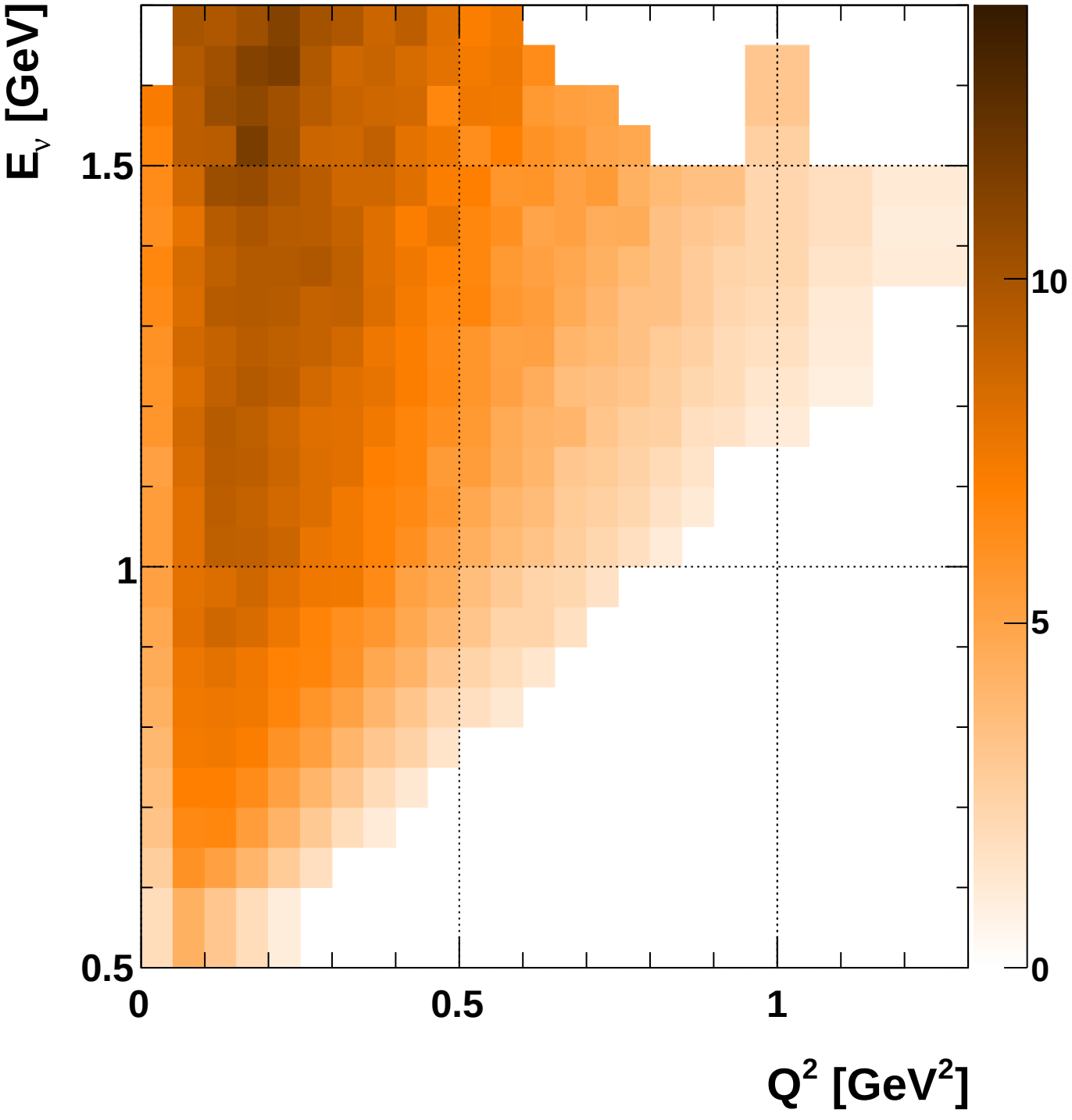

$\cos\theta_\pi \in [0.8; 0.85]$
$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 3.29/10 DoF


$\cos\theta_\pi \in [0.85; 0.9]$
$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 7.39/10 DoF


$\cos\theta_\pi \in [0.9; 0.95]$
$\partial^2\sigma/\partial\cos\theta_\pi/\partial T_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 5.59/10 DoF

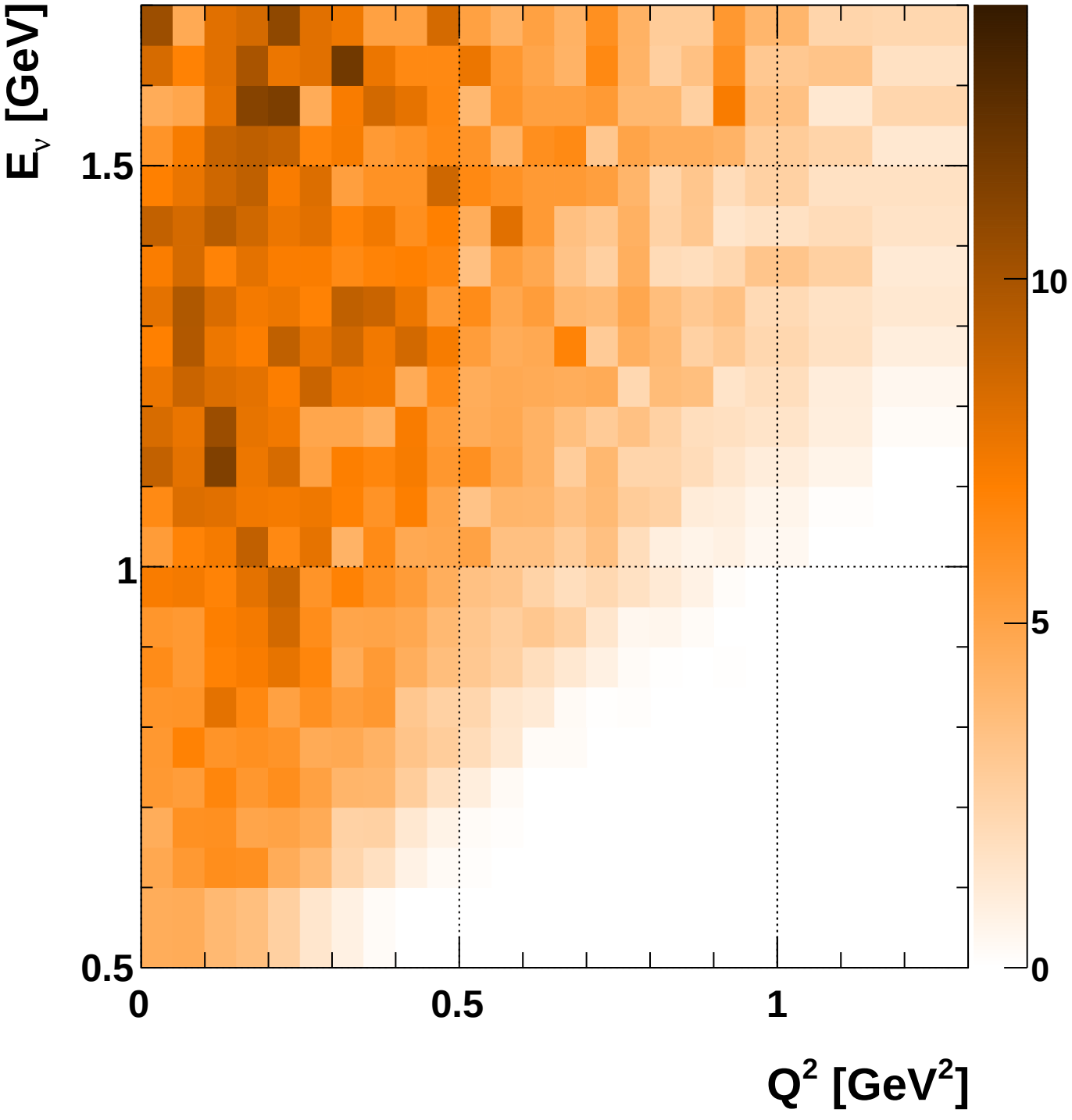

cosθ_π ∈ [0.95; 1]
∂²σ/∂ cosθ_π /∂ T_π [10^-38 cm²/GeV]
10
5
0
0.15
0.2
0.25
0.3
0.35
0.4
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ² = 6.83/10 DoF





$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]

Data: miniboone_nucc1pip_2011



$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]

Pred: master:G18_02a_00_000:miniboone_fhc

miniboone_nucc1pip_2011

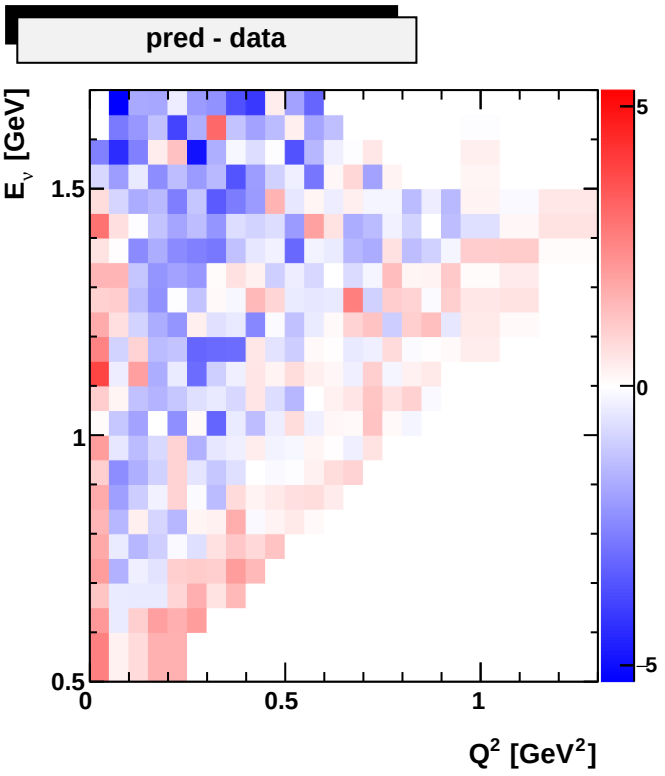
VS

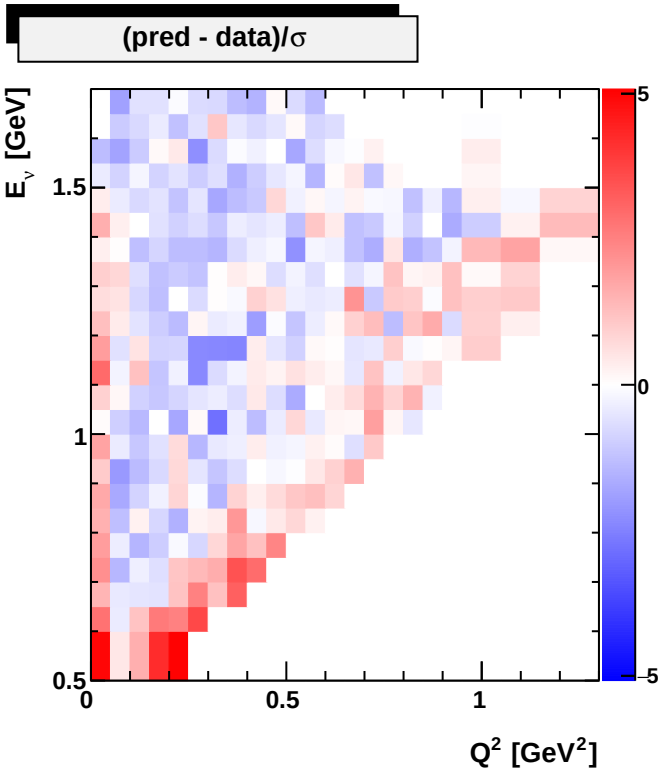
master:G18_02a_00_000:miniboone_fhc

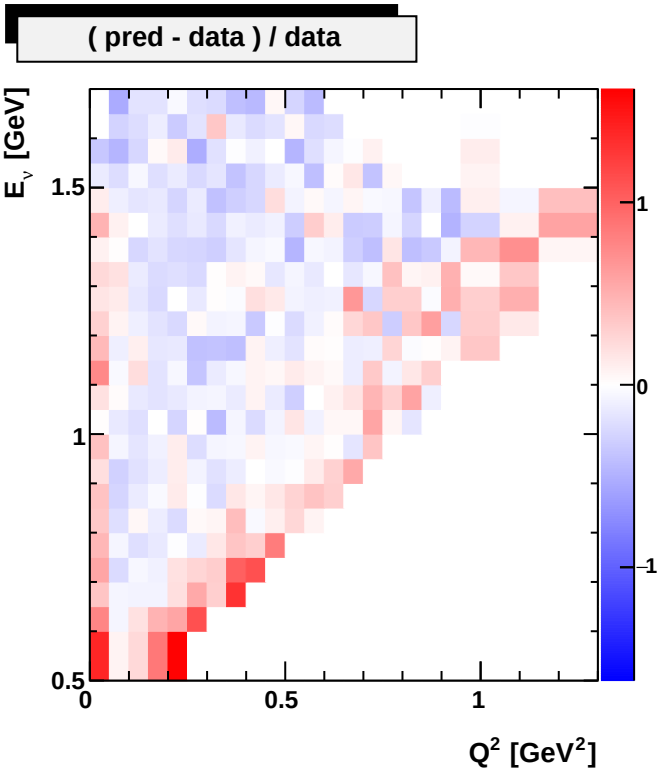
$d\sigma/dQ^2$

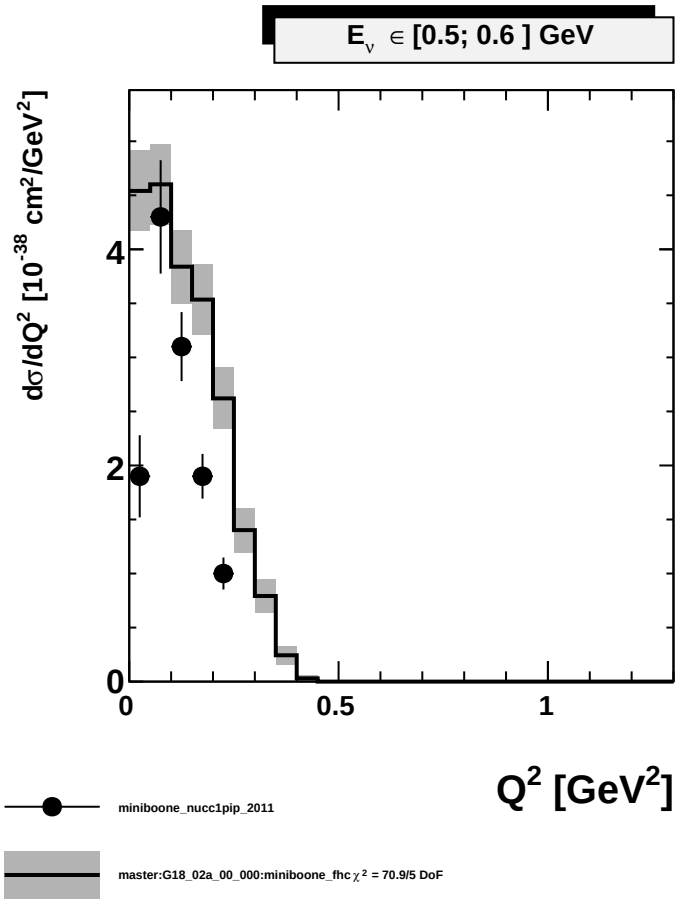
$[10^{-38}\ cm^2/GeV^2]$

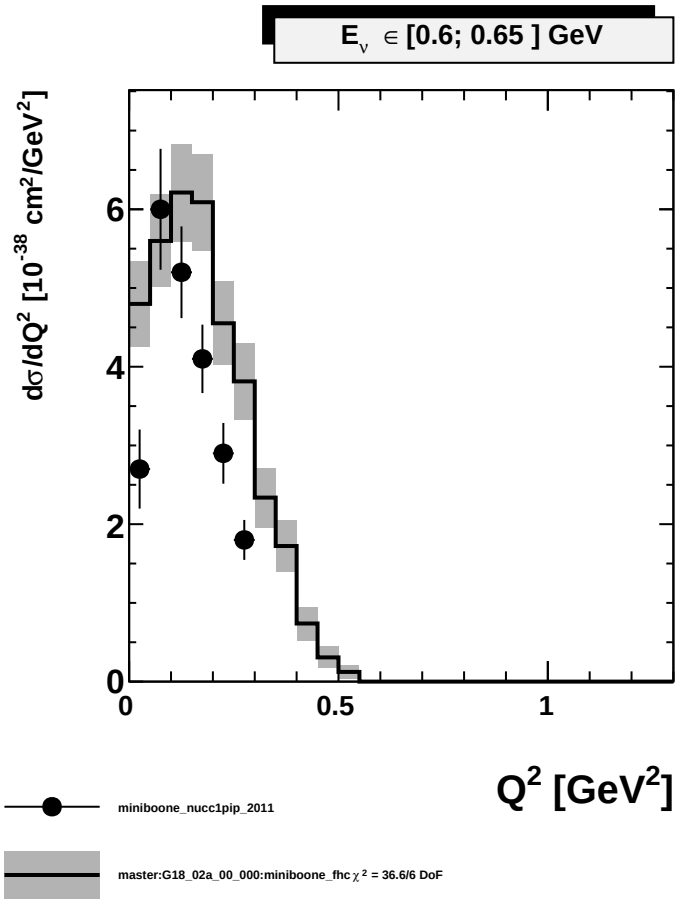
χ^2 = 471.956/351 DoF

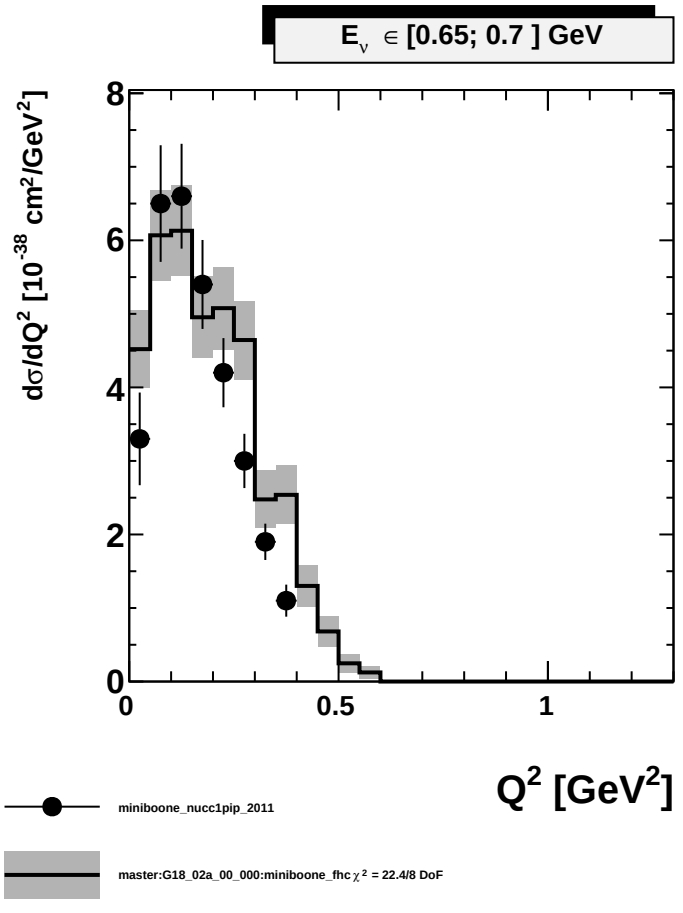


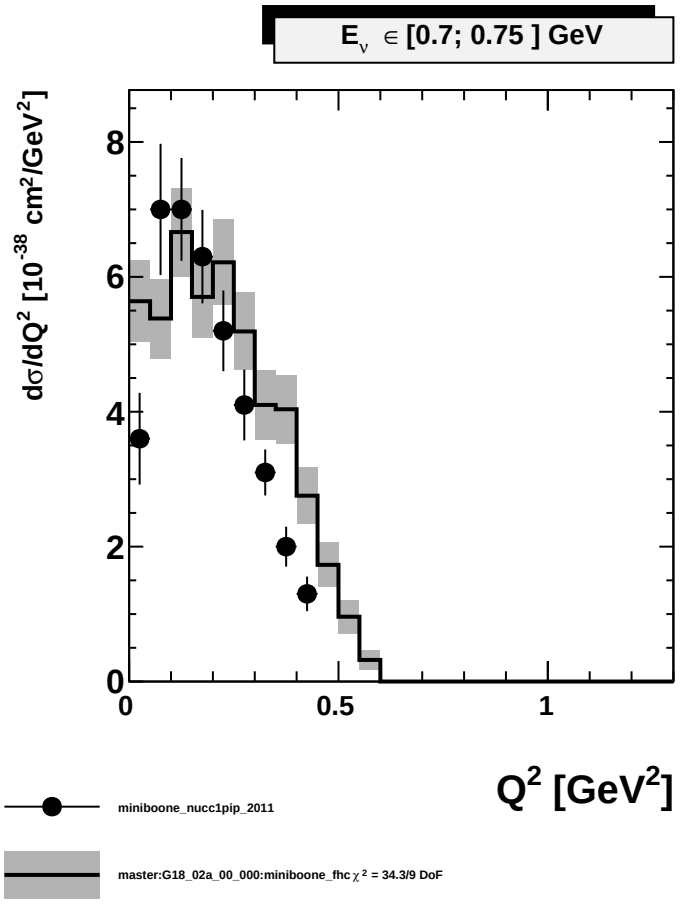


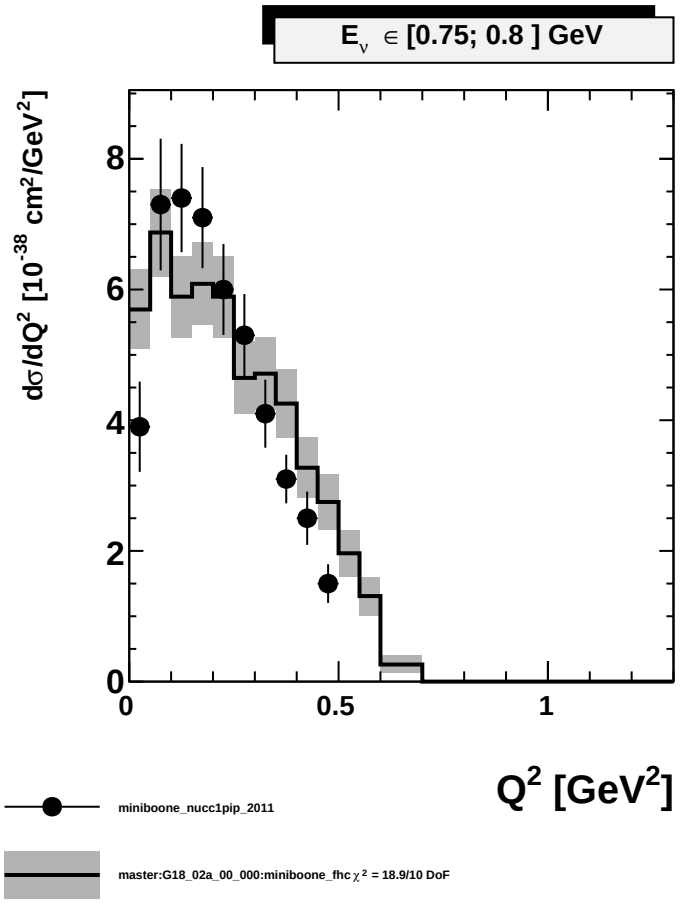


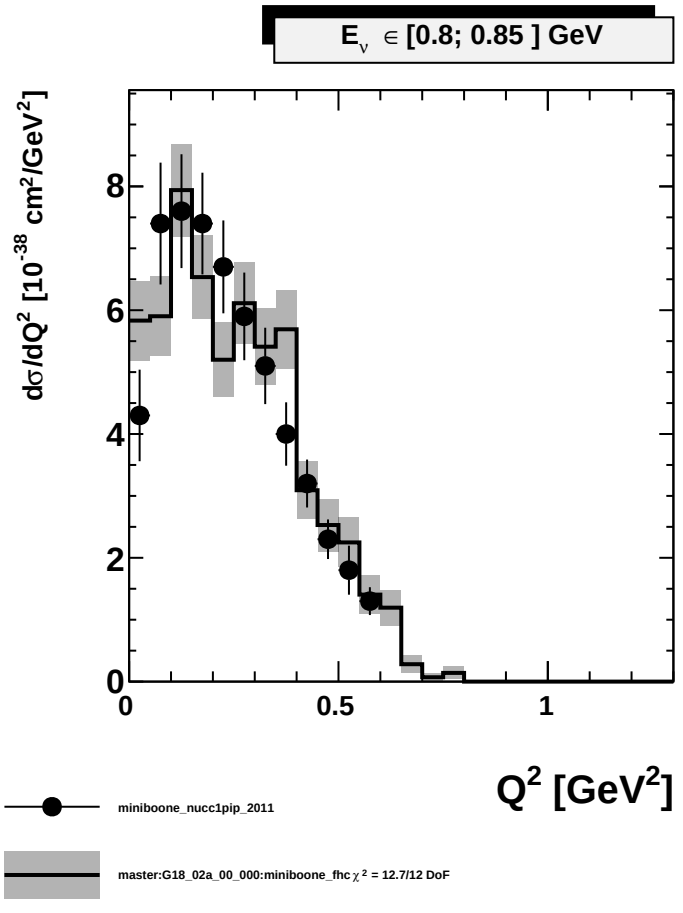

$E_\nu \in [0.5; 0.6]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 70.9/5 DoF

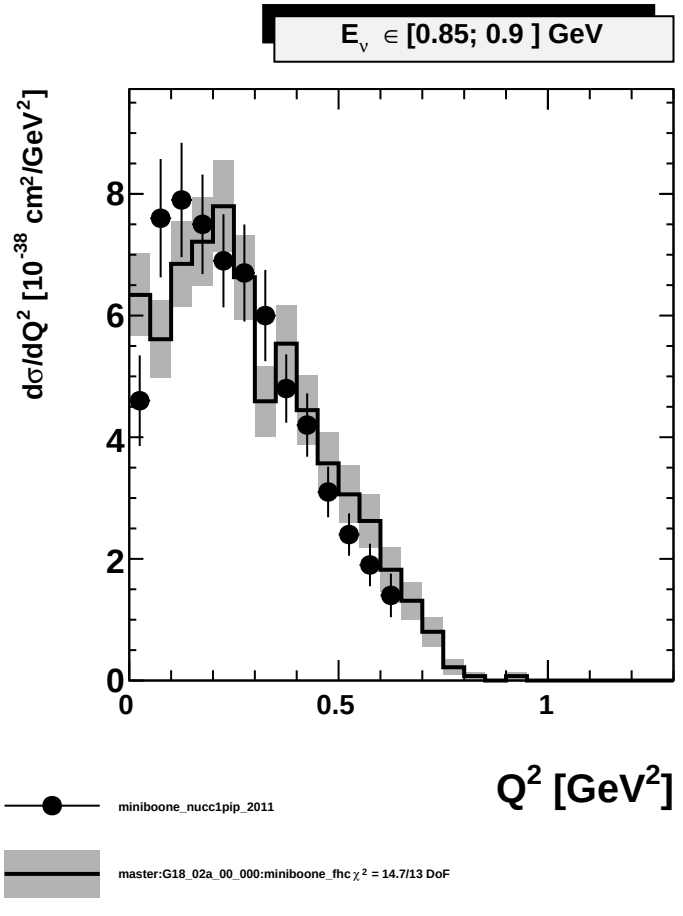

$E_\nu \in [0.6; 0.65]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 36.6/6 DoF

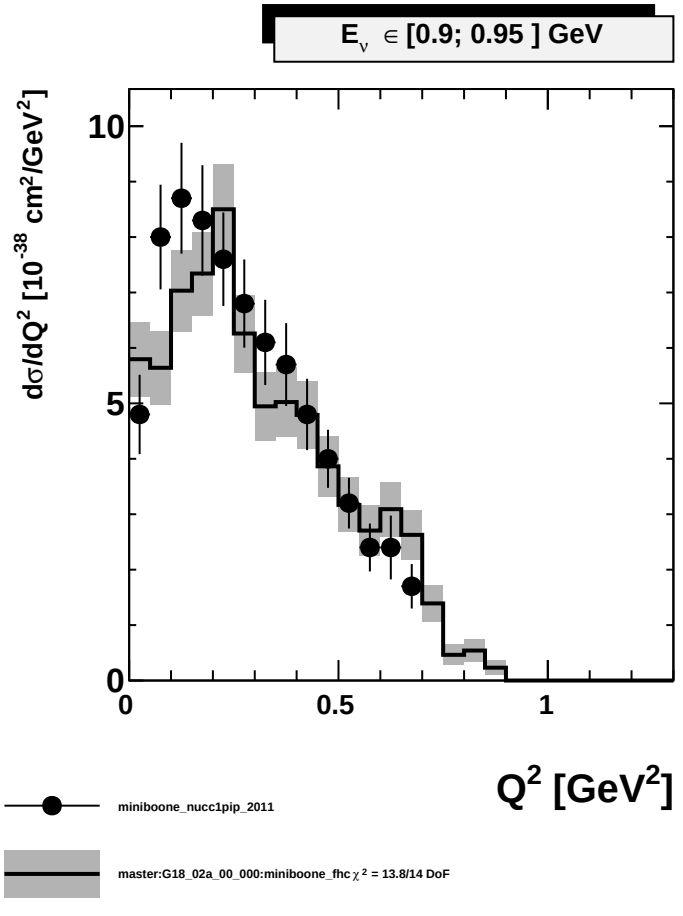

$E_\nu \in [0.65; 0.7]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 22.4/8 DoF

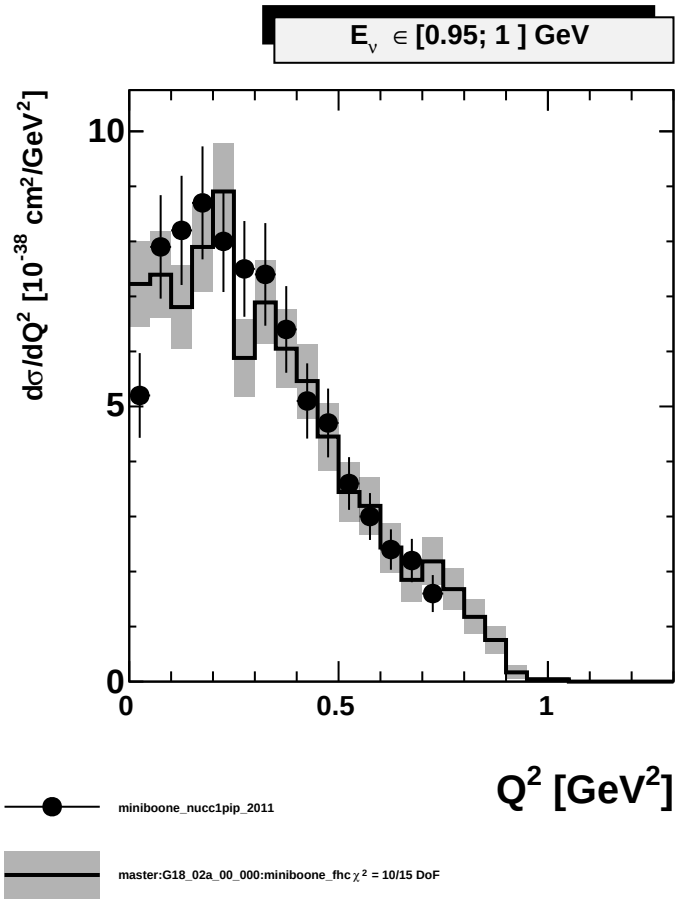

$E_\nu \in [0.7; 0.75]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 34.3/9 DoF

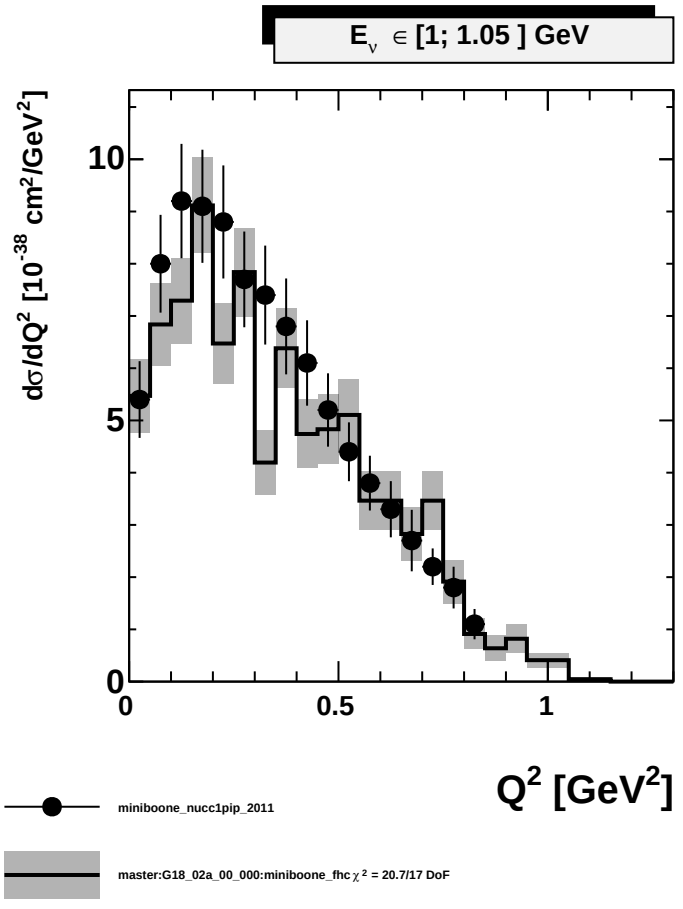

$E_\nu \in [0.75; 0.8]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 18.9/10 DoF

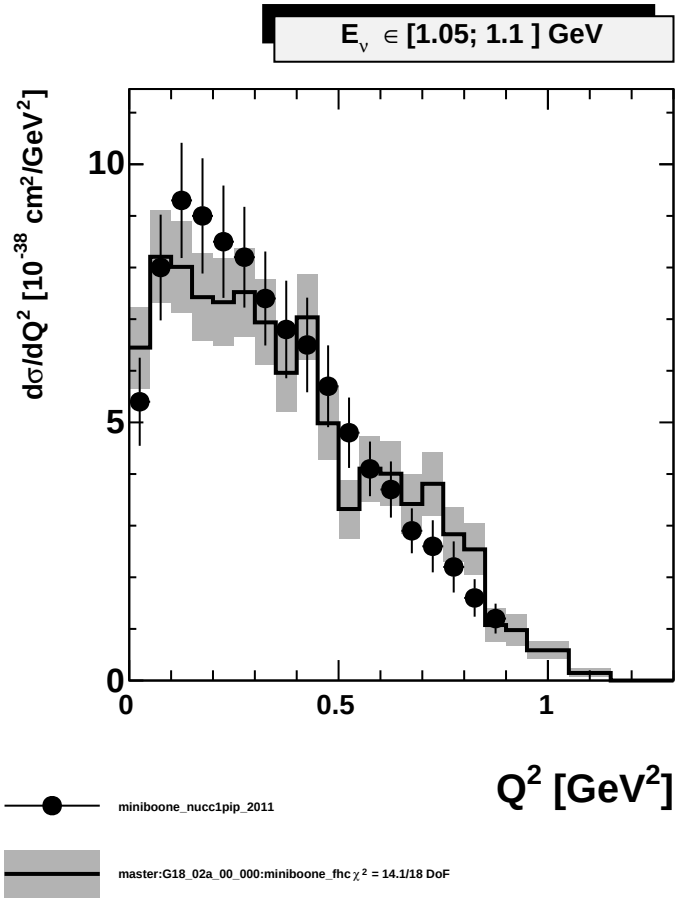

$E_\nu \in [0.8; 0.85]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 12.7/12 DoF

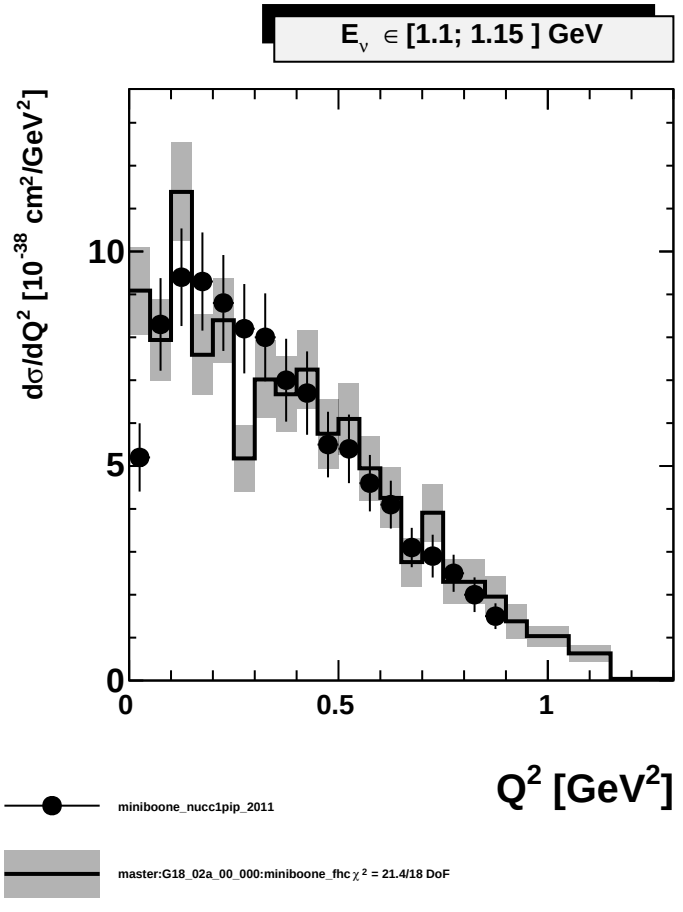

$E_\nu \in [0.85; 0.9]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 14.7/13 DoF

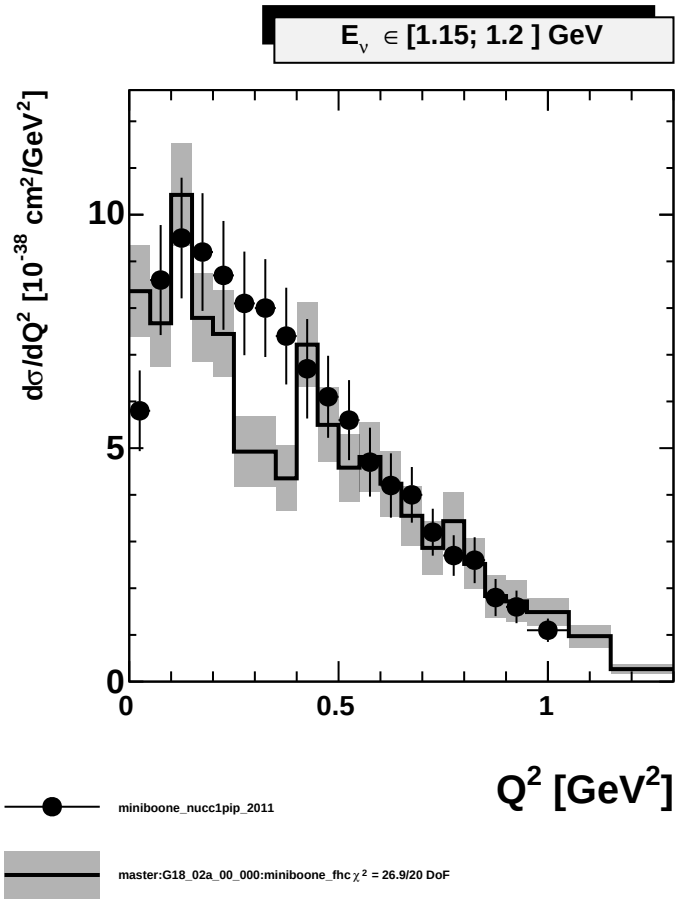

$E_\nu \in [0.9; 0.95]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 13.8/14 DoF

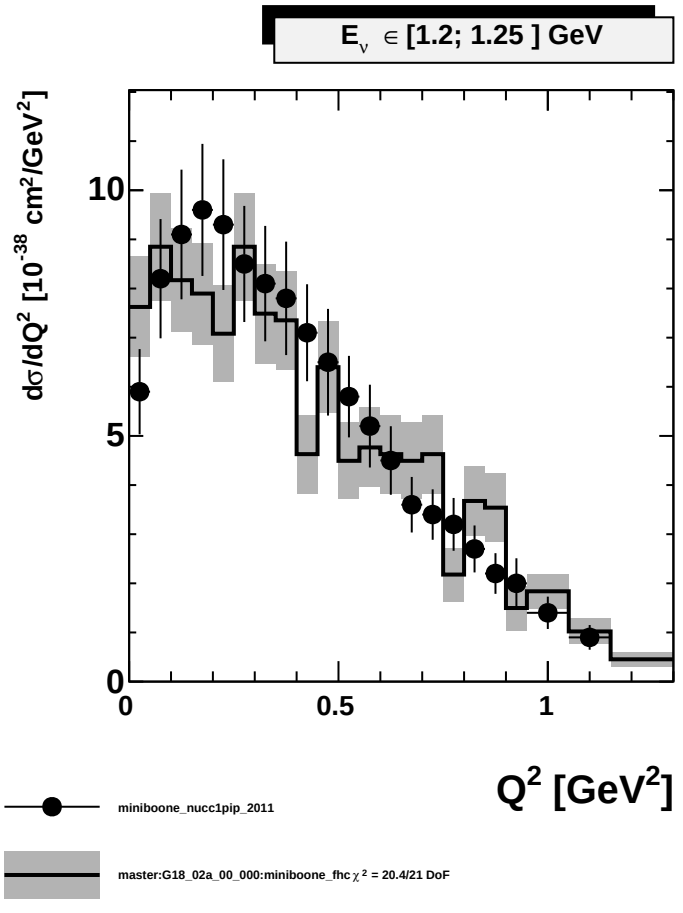

$E_\nu \in [0.95; 1]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 10/15 DoF

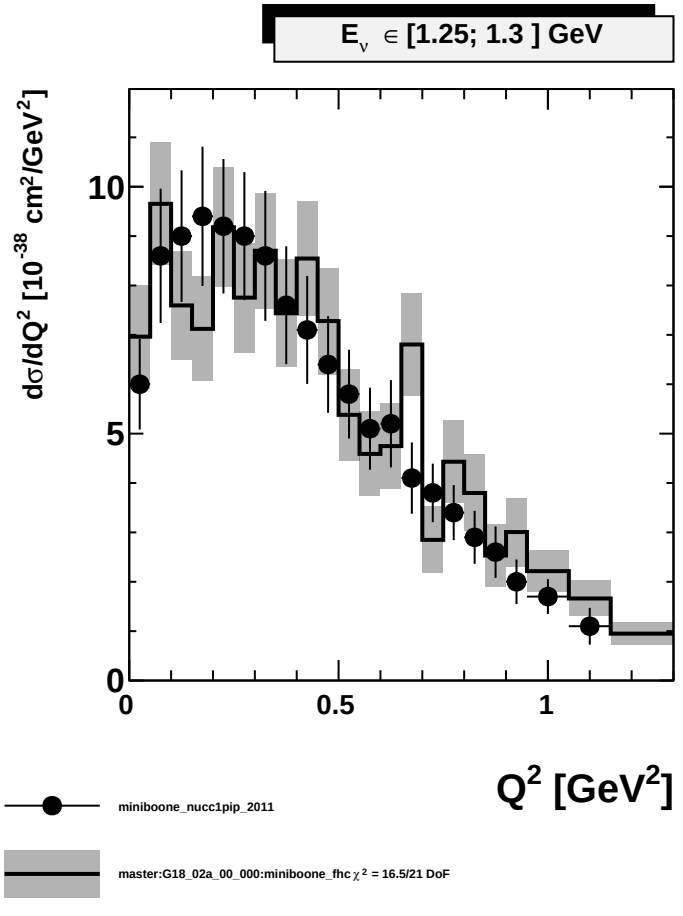

$E_\nu \in [1; 1.05]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 20.7/17 DoF

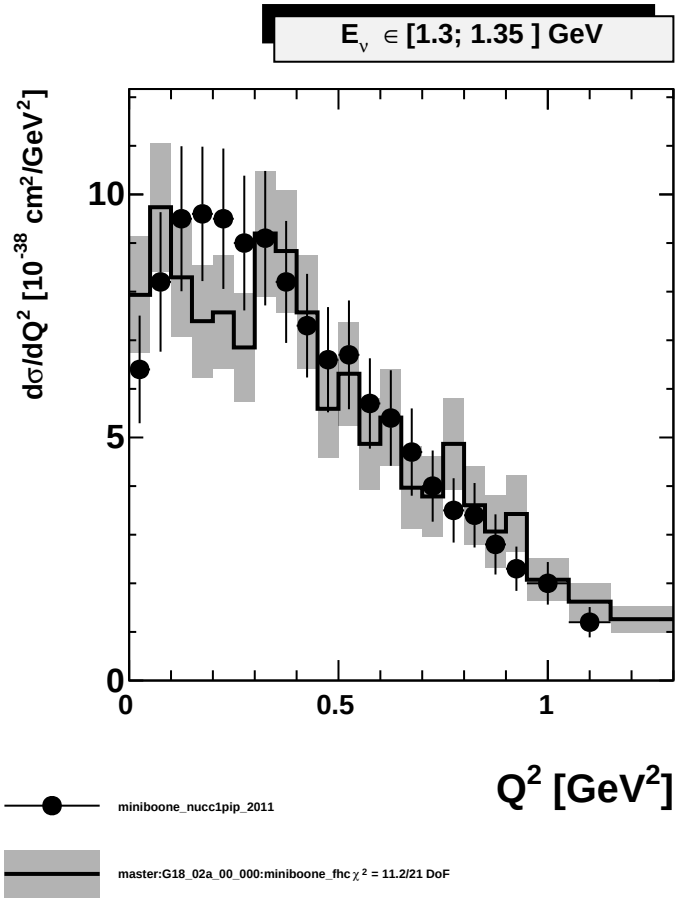

$E_\nu \in [1.05; 1.1]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 14.1/18 DoF

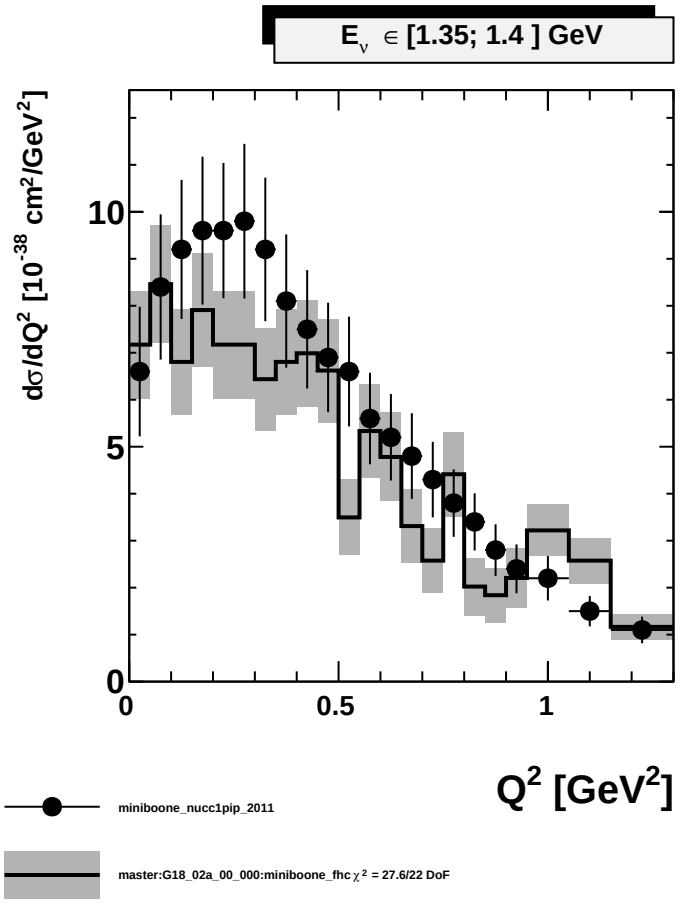

$E_\nu \in [1.1; 1.15]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 21.4/18 DoF

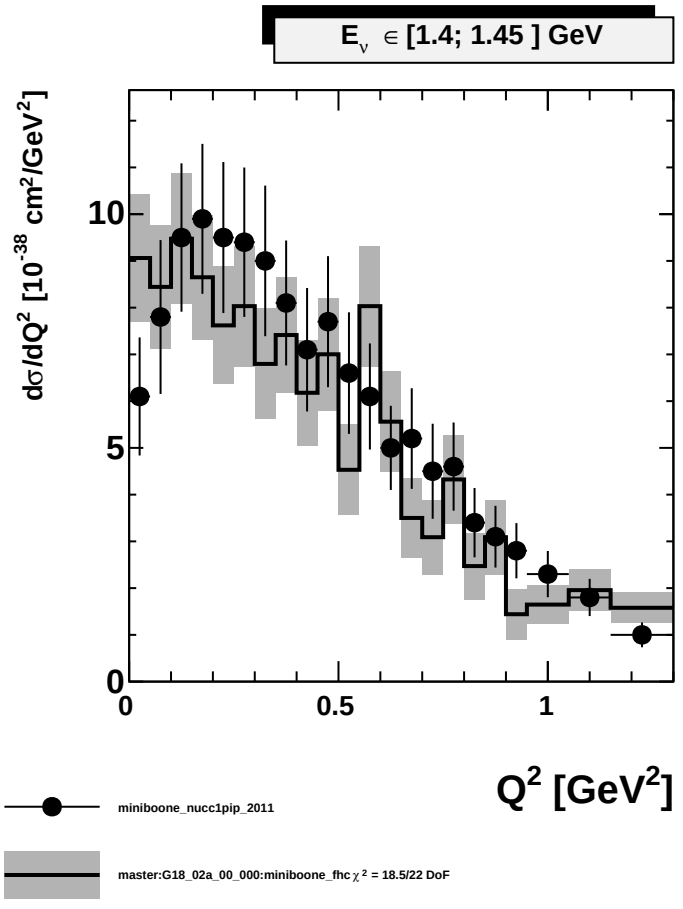

$E_\nu \in [1.15; 1.2]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 26.9/20 DoF

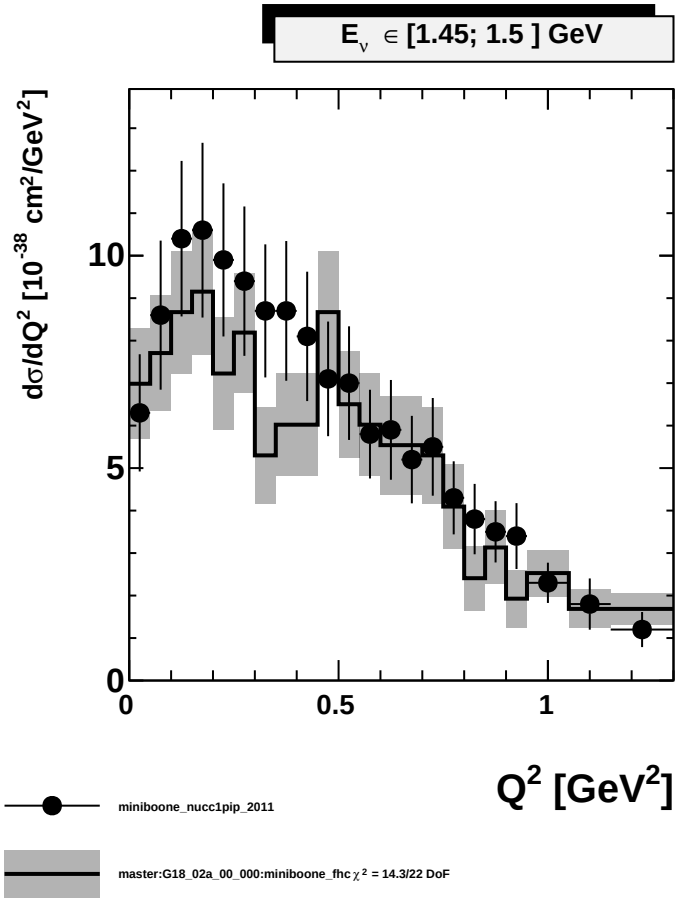

$E_\nu \in [1.2; 1.25]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 20.4/21 DoF

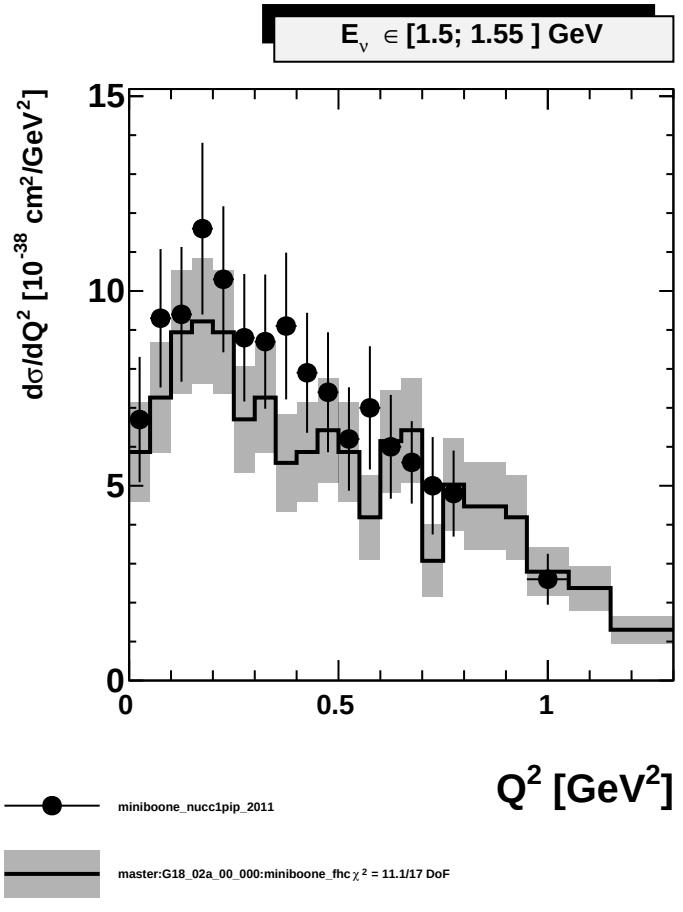

$E_\nu \in [1.25; 1.3]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 16.5/21 DoF

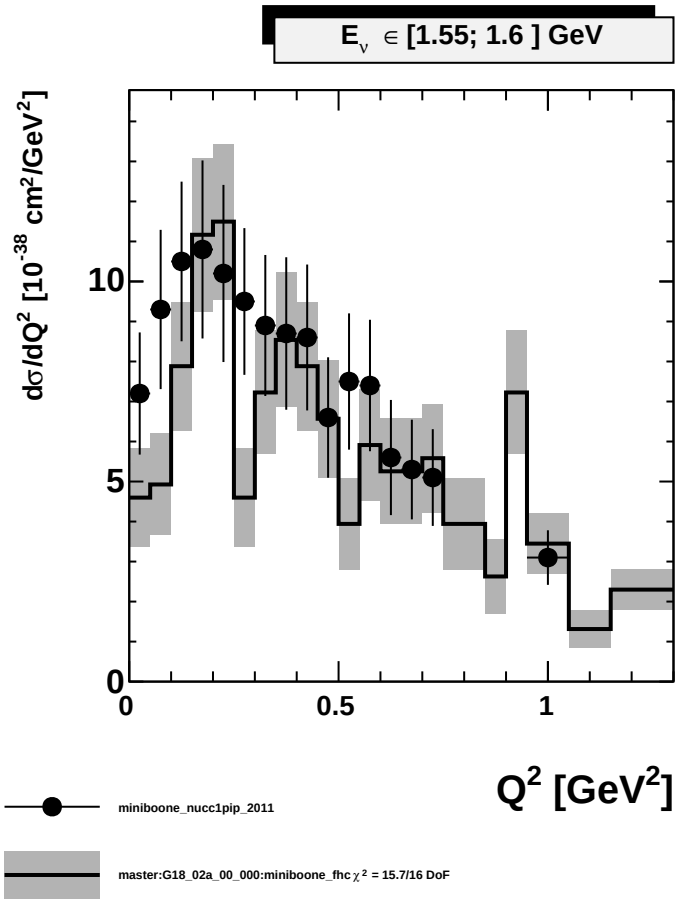

$E_\nu \in [1.3; 1.35]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 11.2/21 DoF

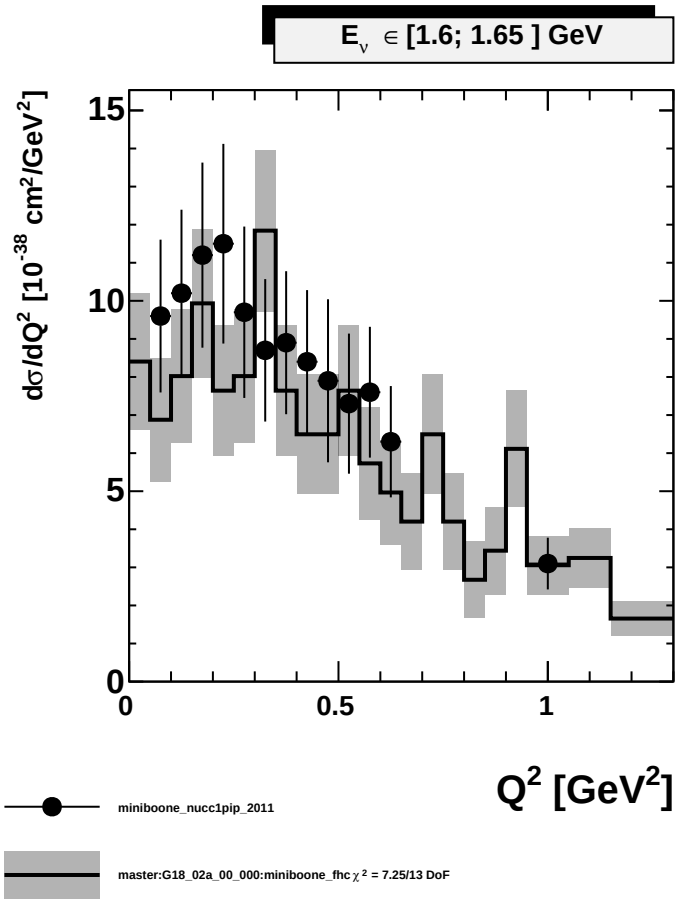

$E_\nu \in [1.35; 1.4]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 27.6/22 DoF

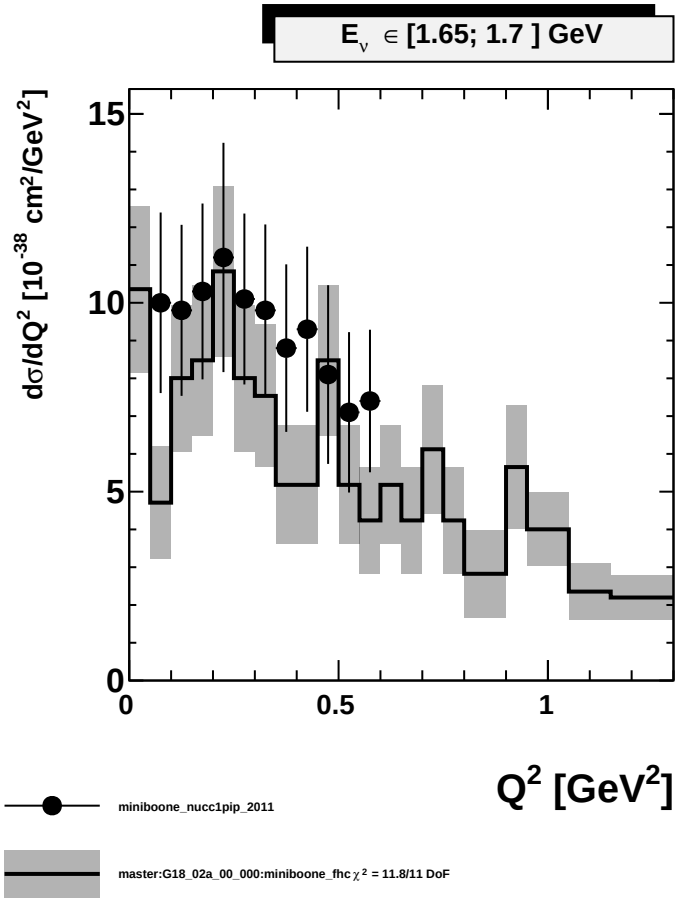

$E_\nu \in [1.4; 1.45]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 18.5/22 DoF

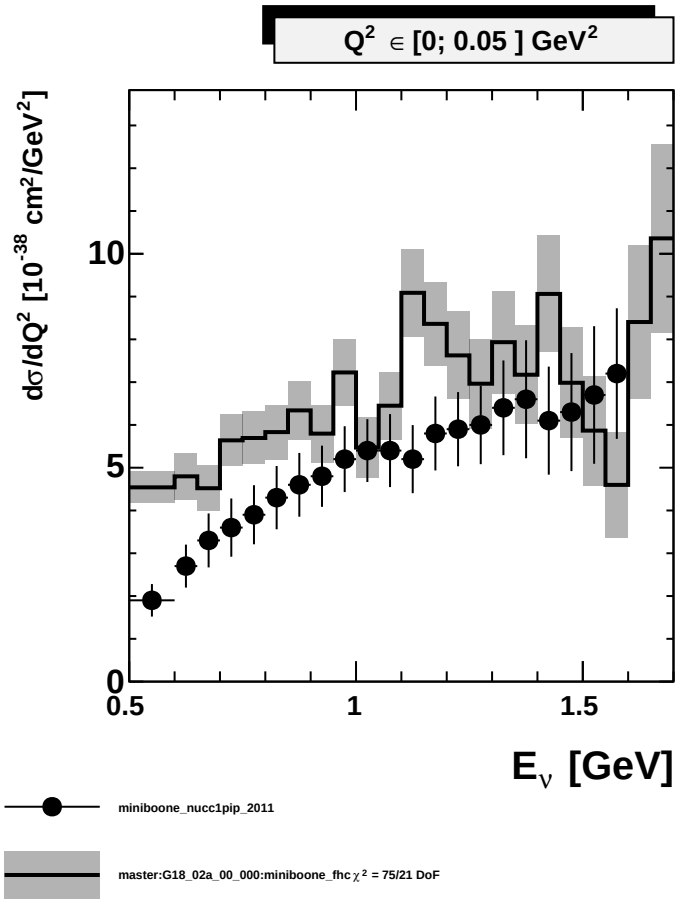

$E_\nu \in [1.45; 1.5]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 14.3/22 DoF

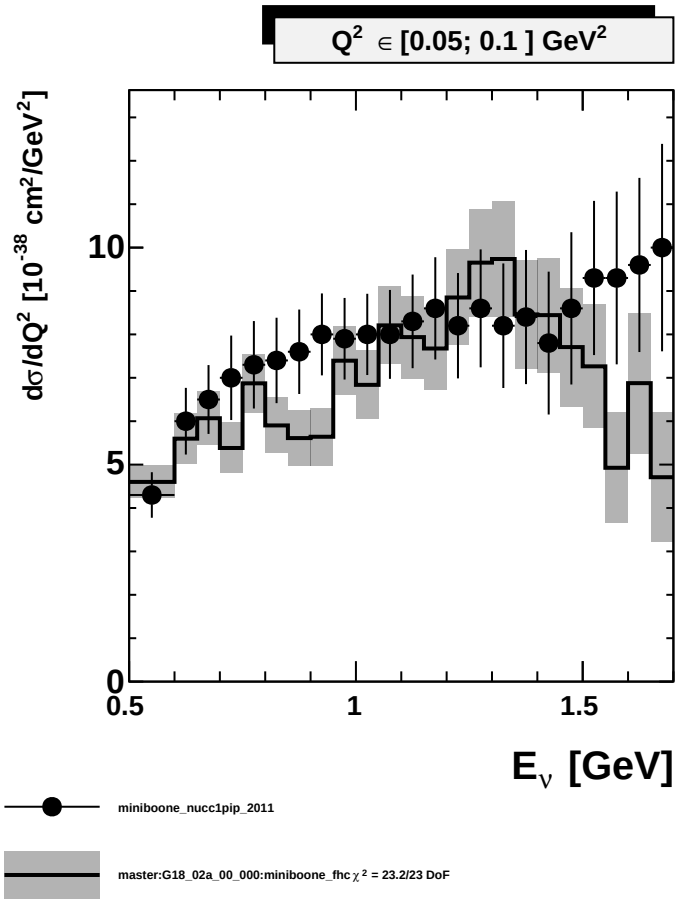

$E_\nu \in [1.5; 1.55]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 11.1/17 DoF

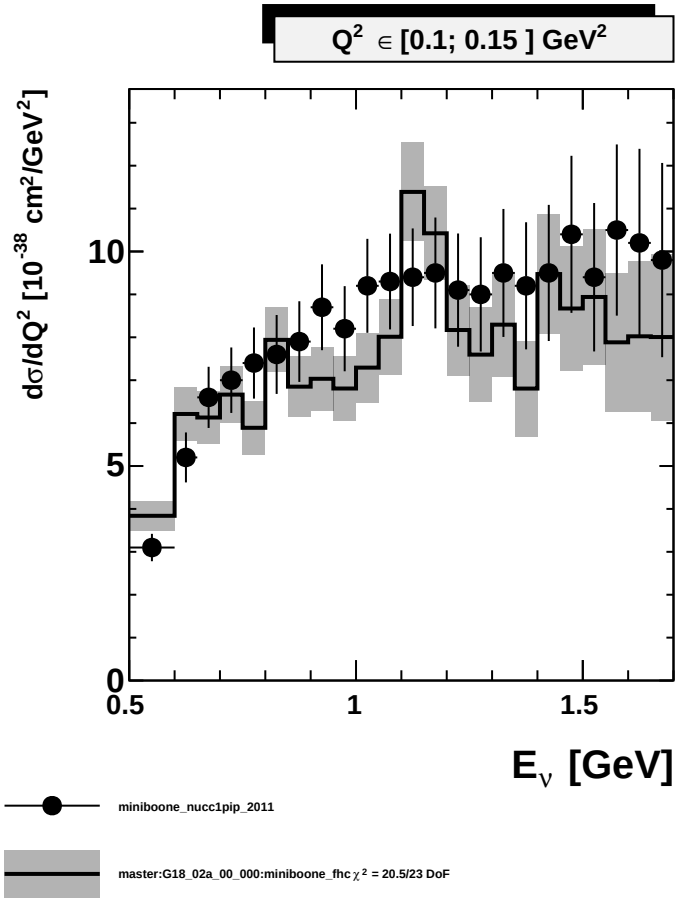

$E_\nu \in [1.55; 1.6]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 15.7/16 DoF

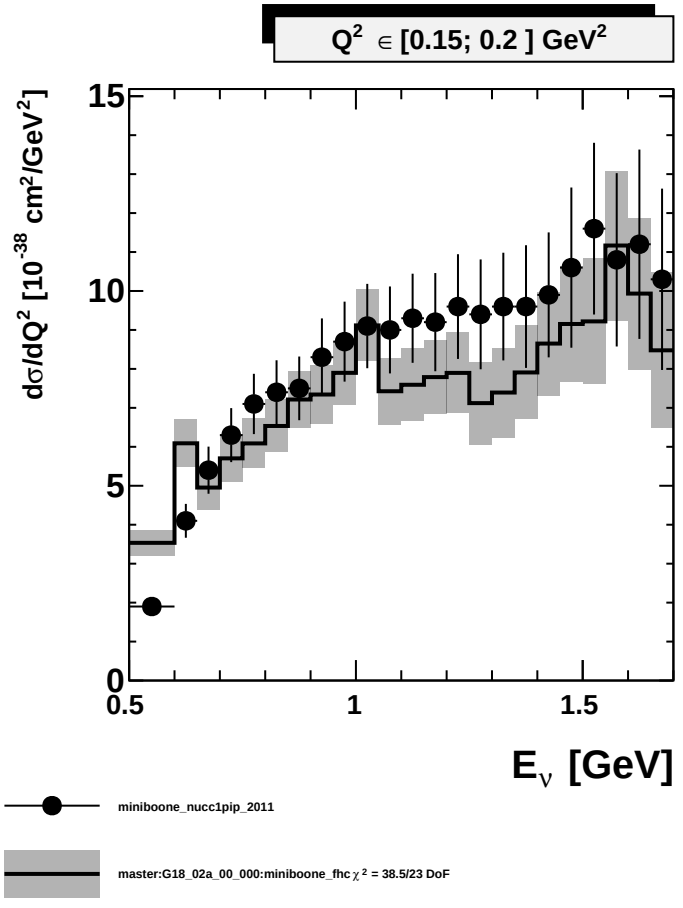

$E_\nu \in [1.6; 1.65]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 7.25/13 DoF

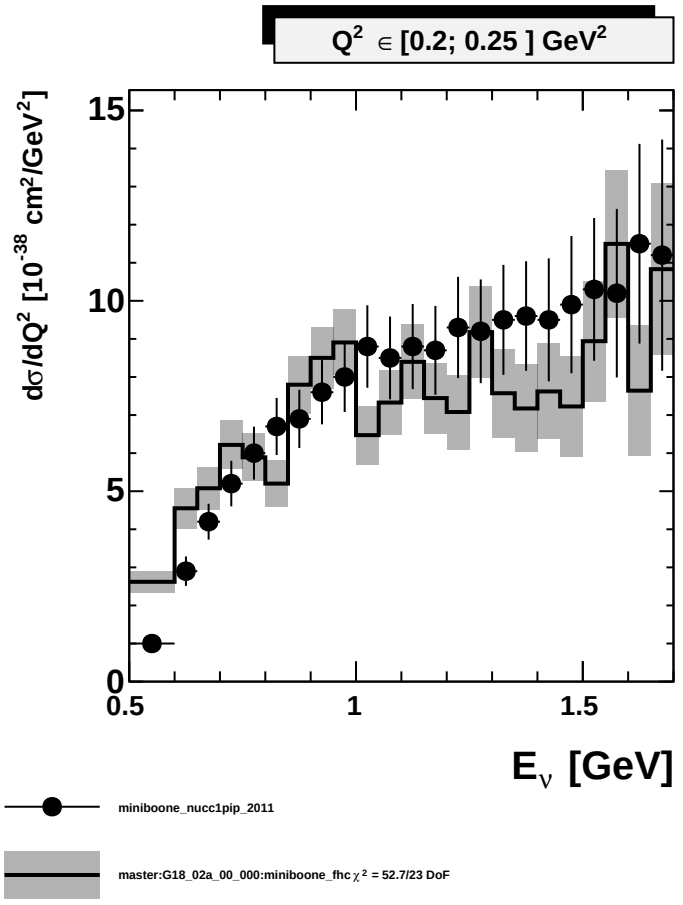

$E_\nu \in [1.65; 1.7]$ GeV
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
Q^2 [GeV^2]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 11.8/11 DoF

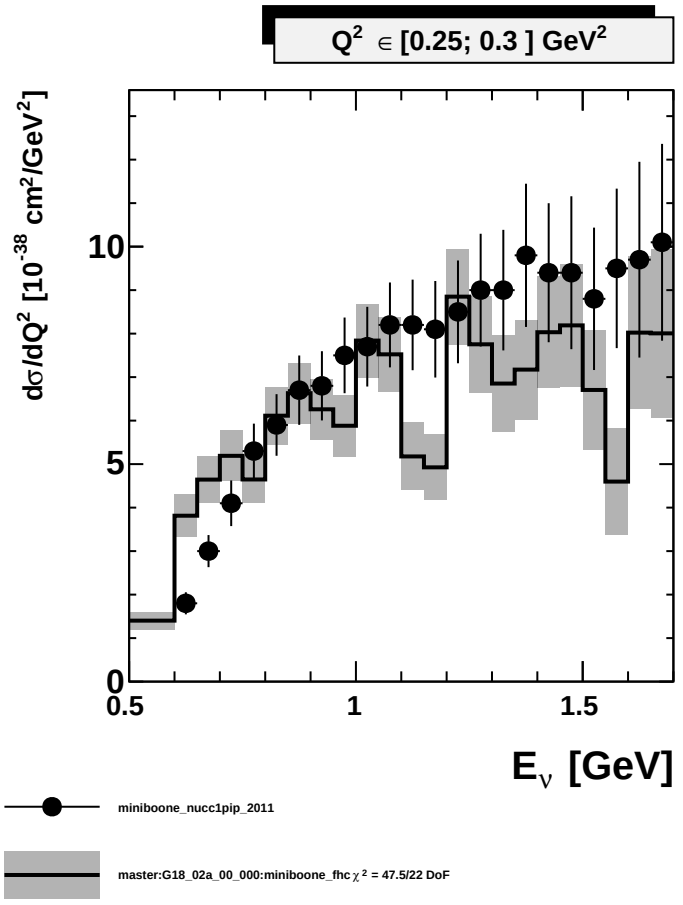

$Q^2 \in [0; 0.05]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 75/21 DoF

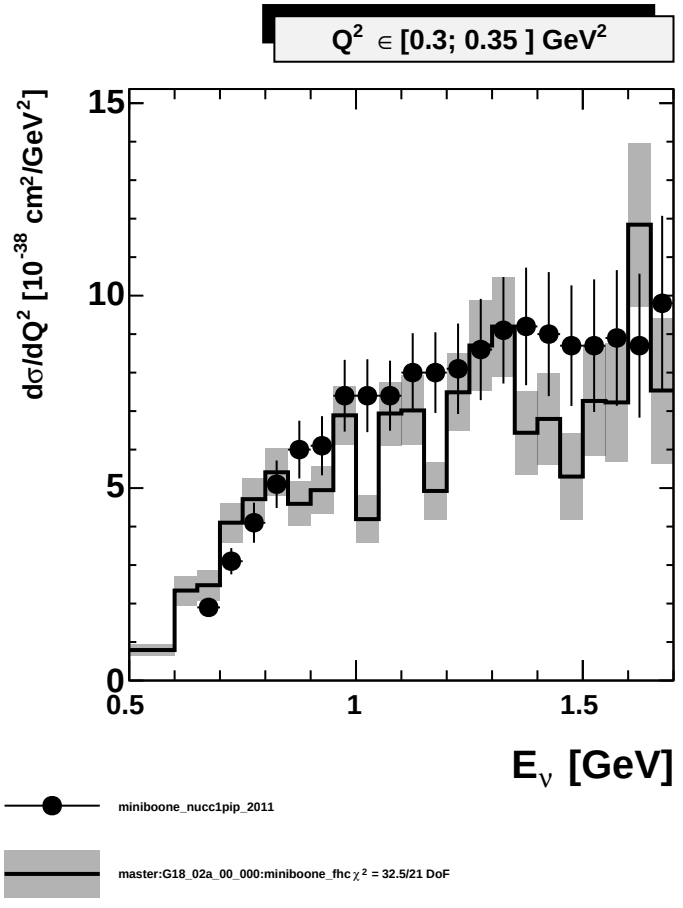

$Q^2 \in [0.05; 0.1]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 23.2/23 DoF

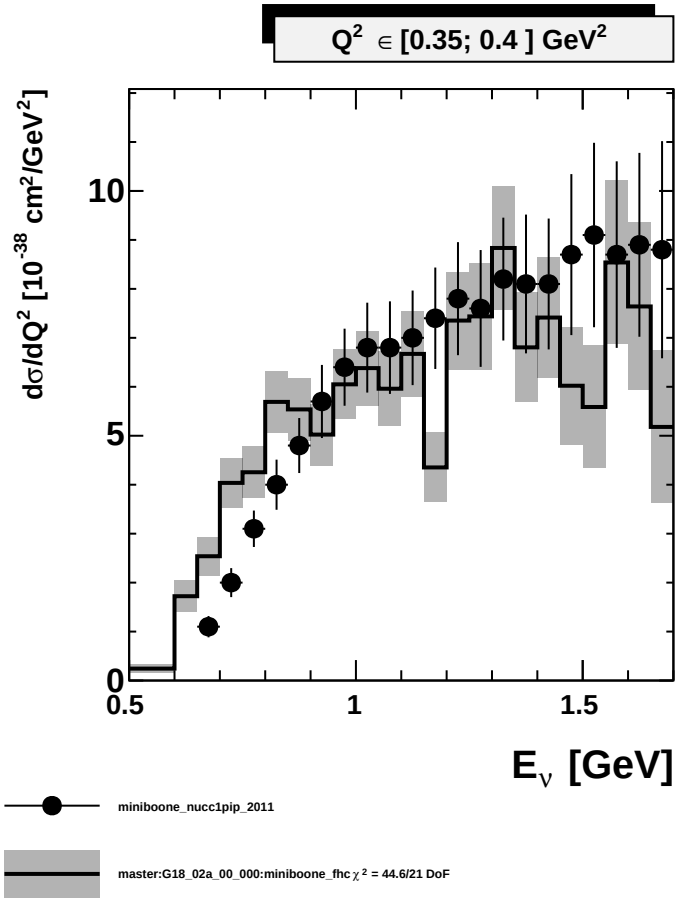

$Q^2 \in [0.1; 0.15]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 20.5/23 DoF

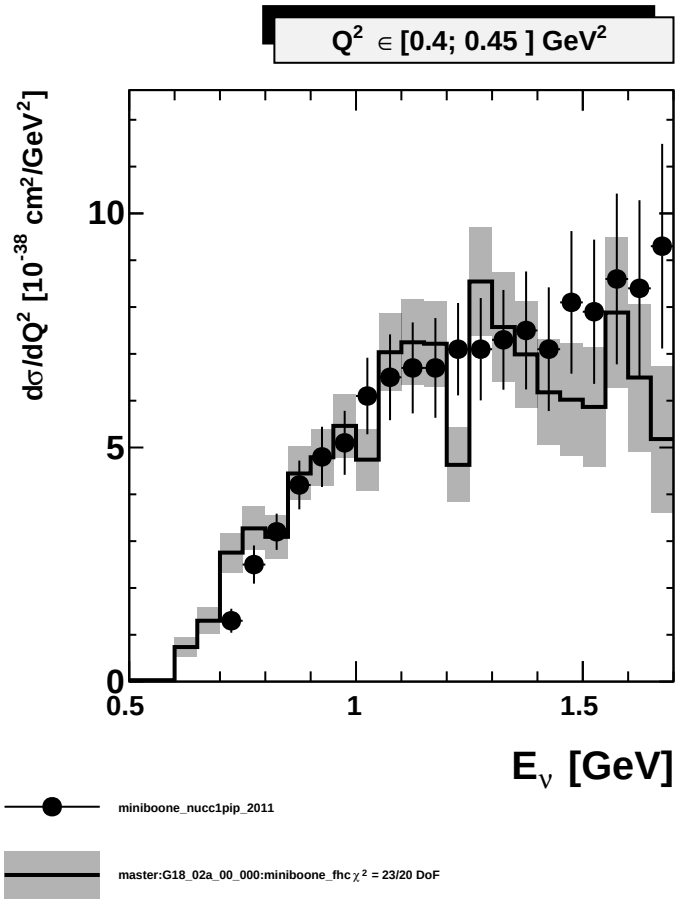

$Q^2 \in [0.15; 0.2]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 38.5/23 DoF

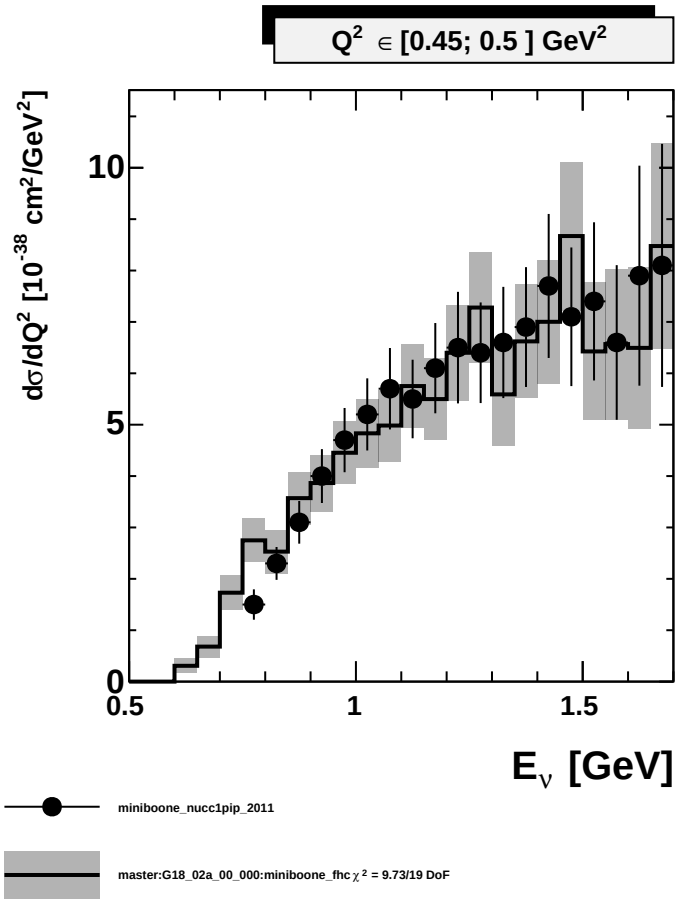

$Q^2 \in [0.2; 0.25]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 52.7/23 DoF

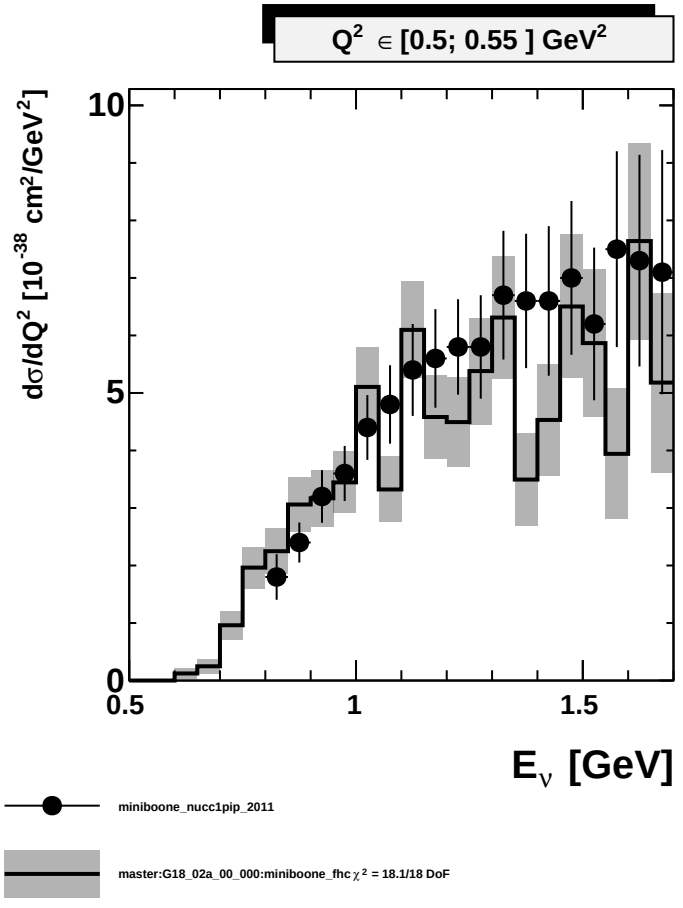

$Q^2 \in [0.25; 0.3]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 47.5/22 DoF

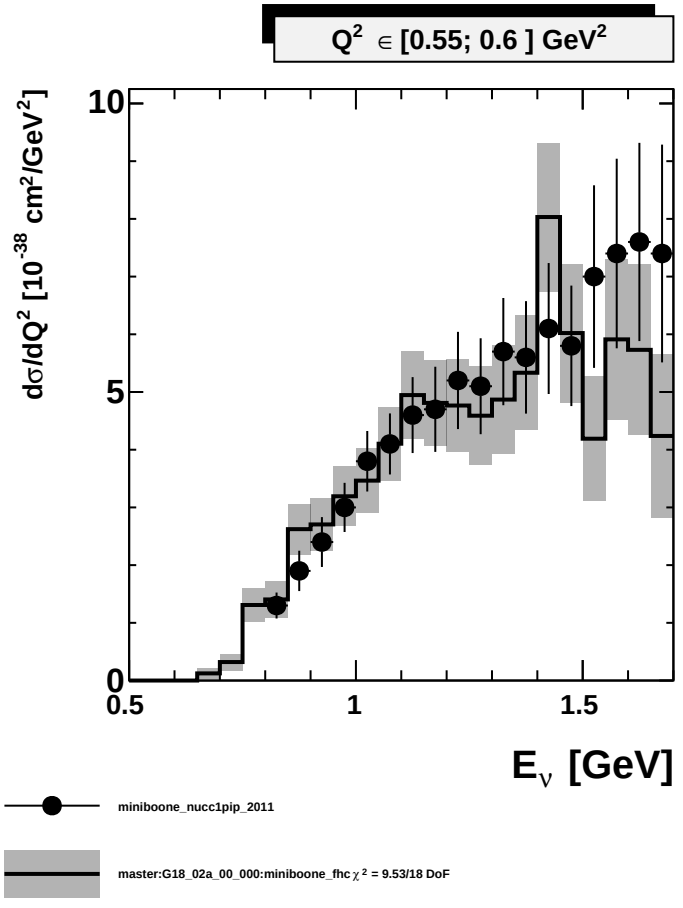

$Q^2 \in [0.3; 0.35]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 32.5/21 DoF

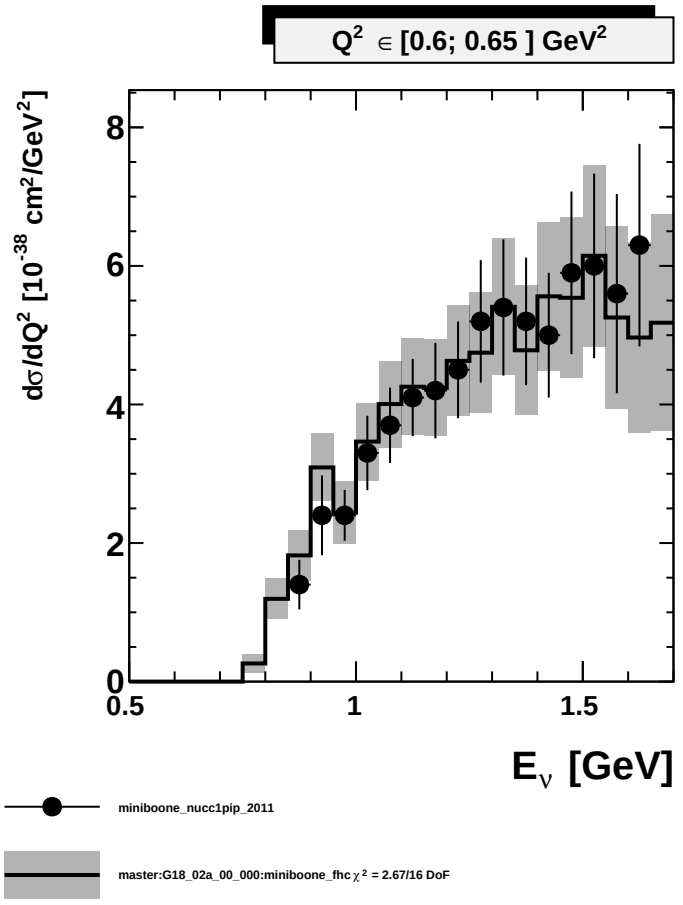

$Q^2 \in [0.35; 0.4]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 44.6/21 DoF

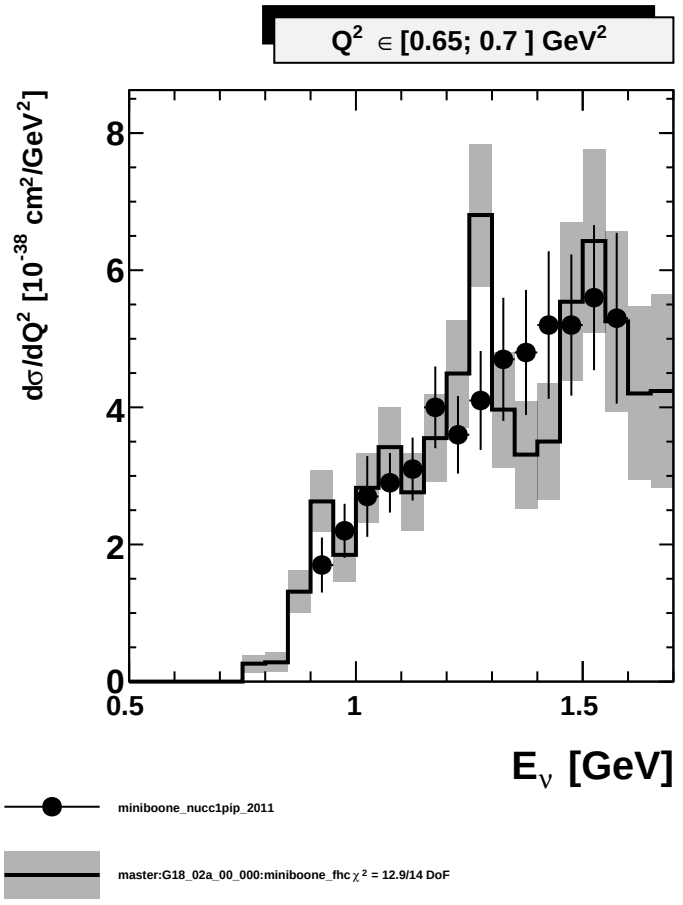

$Q^2 \in [0.4; 0.45]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 23/20 DoF

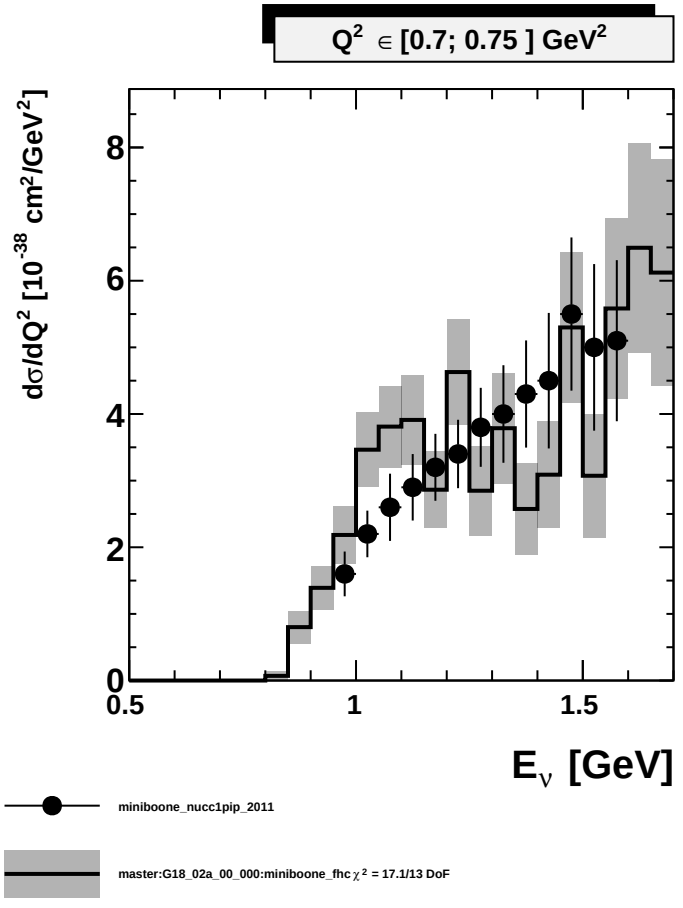

$Q^2 \in [0.45; 0.5]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 9.73/19 DoF

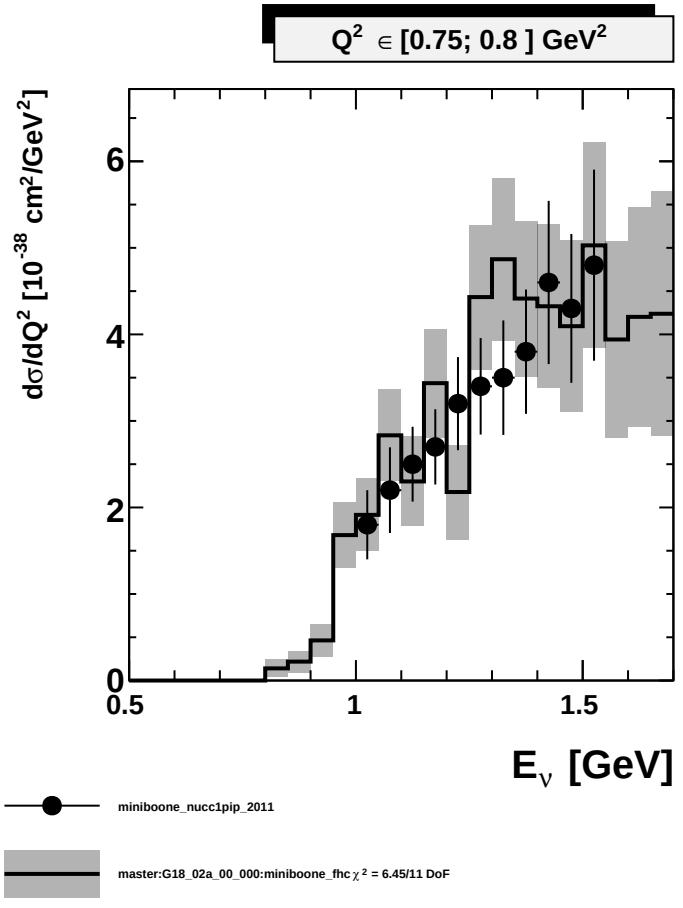

$Q^2 \in [0.5; 0.55]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 18.1/18 DoF

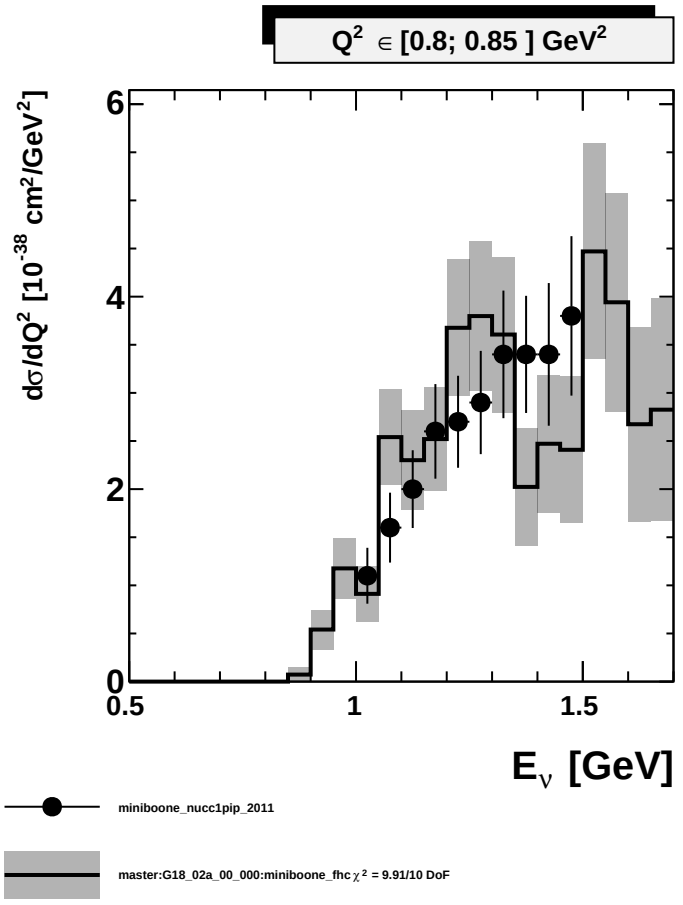

$Q^2 \in [0.55; 0.6]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 9.53/18 DoF

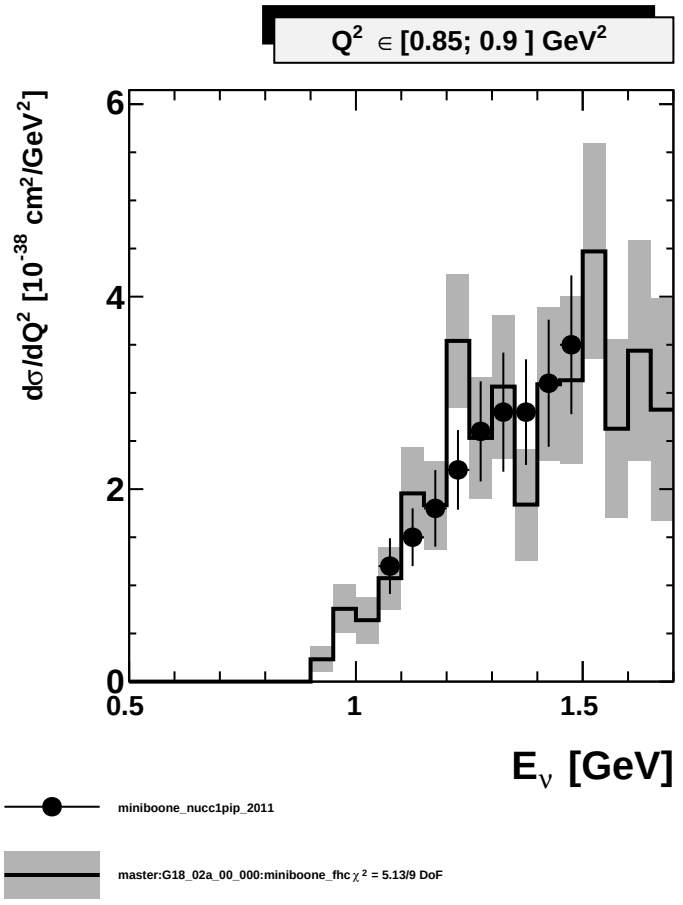

$Q^2 \in [0.6; 0.65]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 2.67/16 DoF

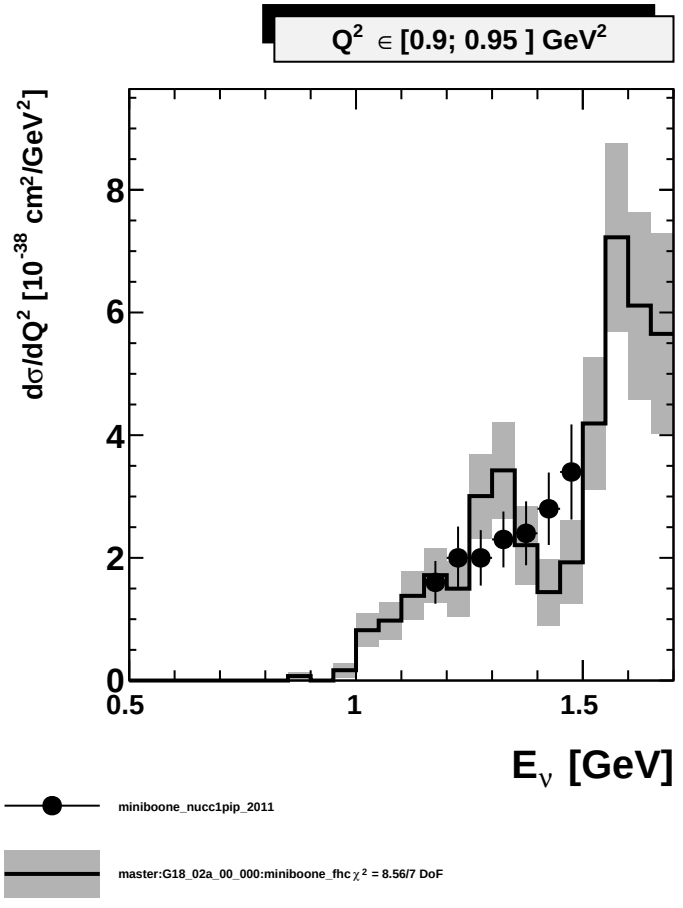

$Q^2 \in [0.65; 0.7]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 12.9/14 DoF

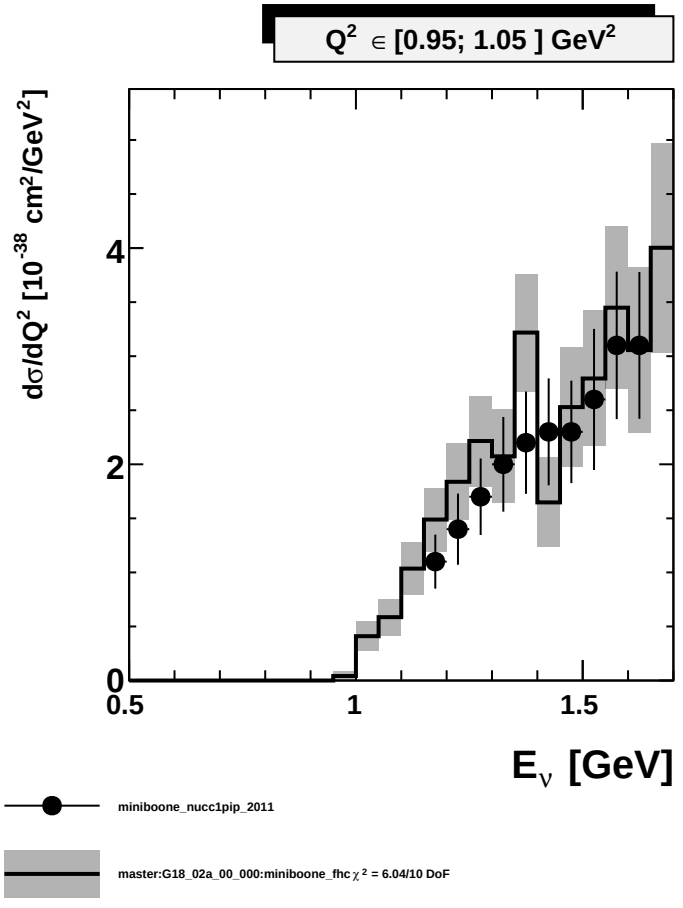

$Q^2 \in [0.7; 0.75]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 17.1/13 DoF

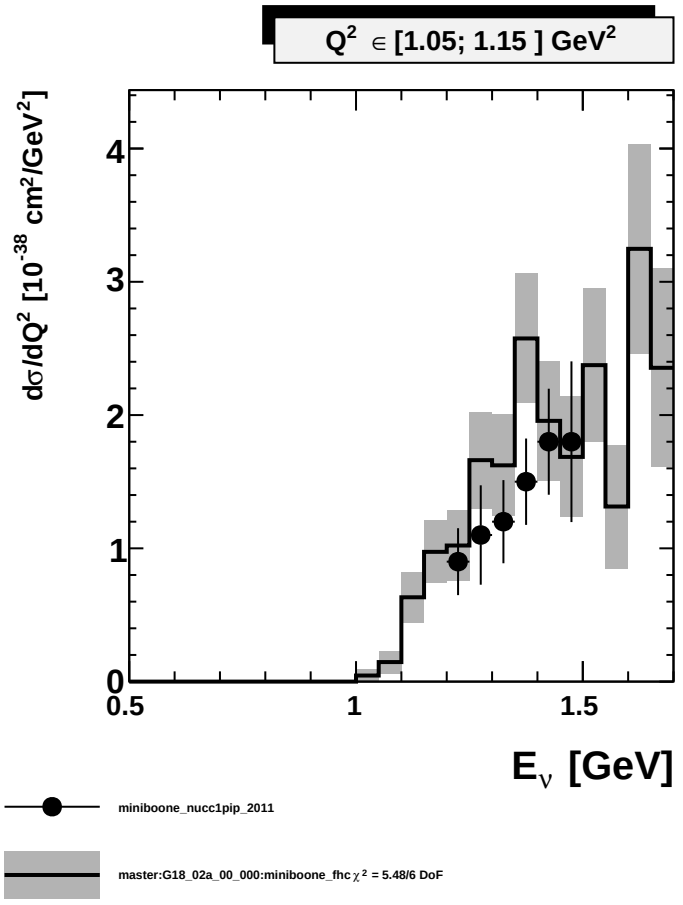

$Q^2 \in [0.75; 0.8]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 6.45/11 DoF

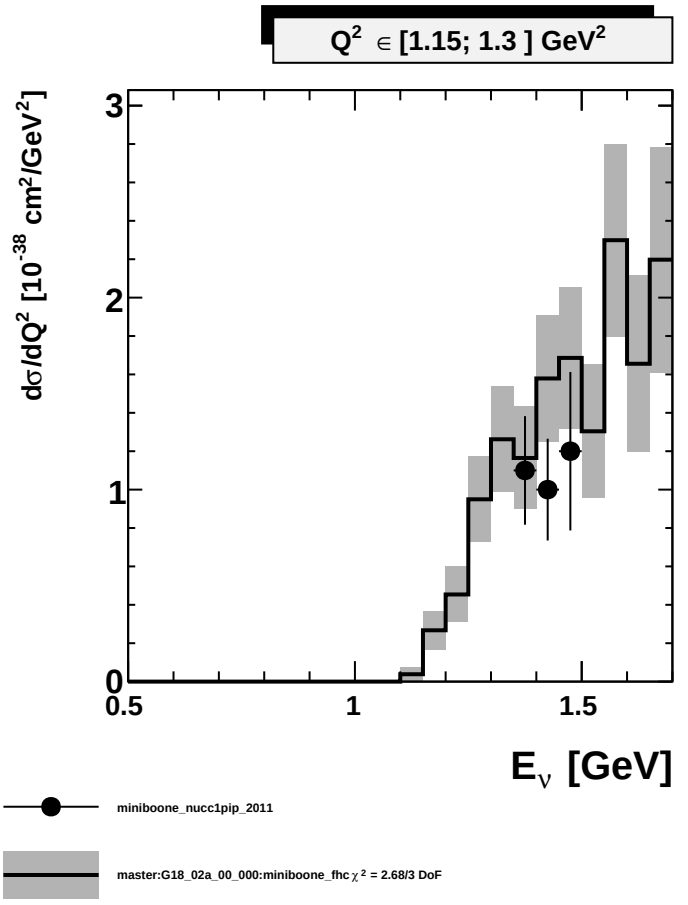

$Q^2 \in [0.8; 0.85]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 9.91/10 DoF

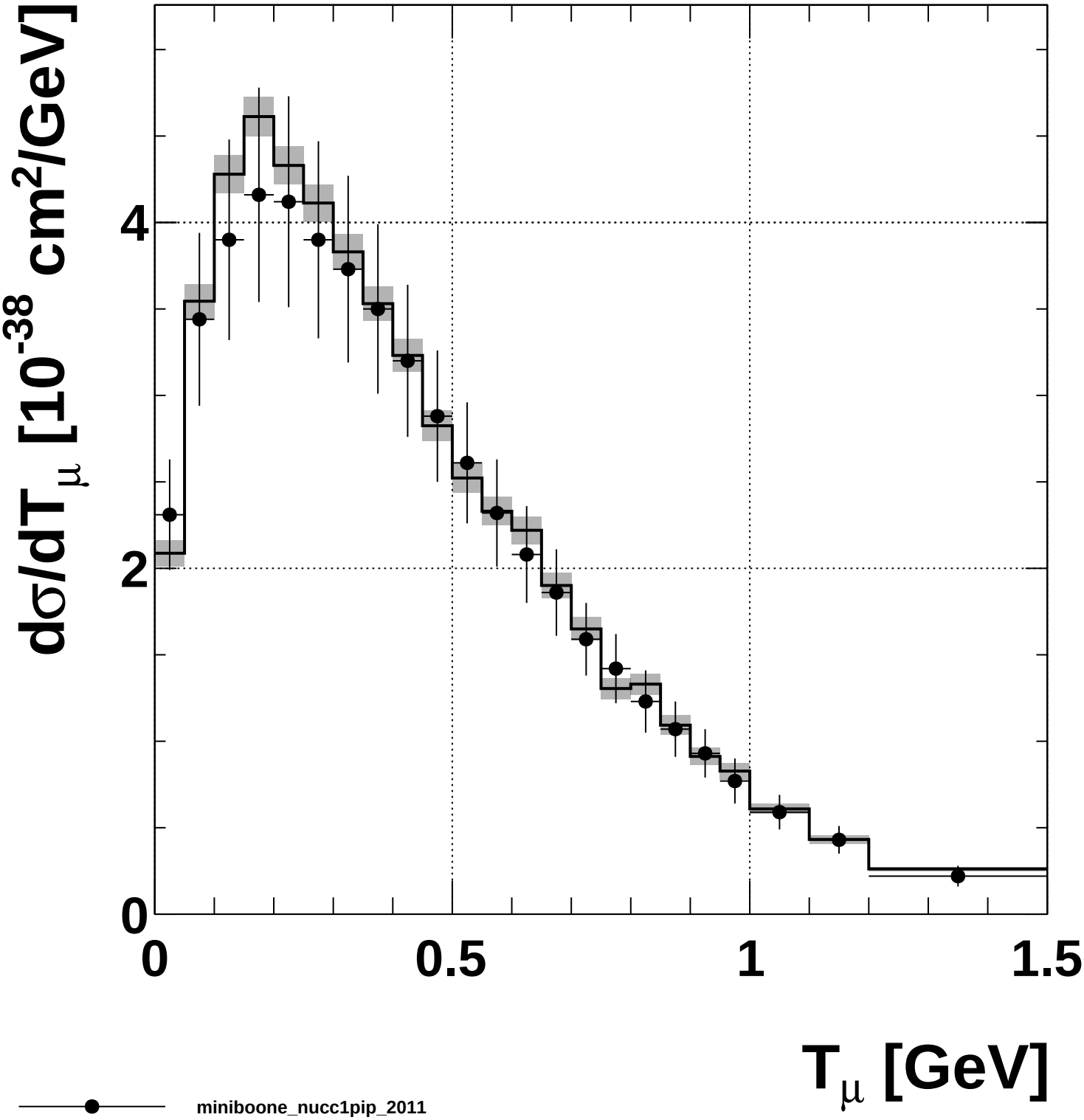

$Q^2 \in [0.85; 0.9]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 5.13/9 DoF


$Q^2 \in [0.9; 0.95]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 8.56/7 DoF


$Q^2 \in [0.95; 1.05]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 6.04/10 DoF

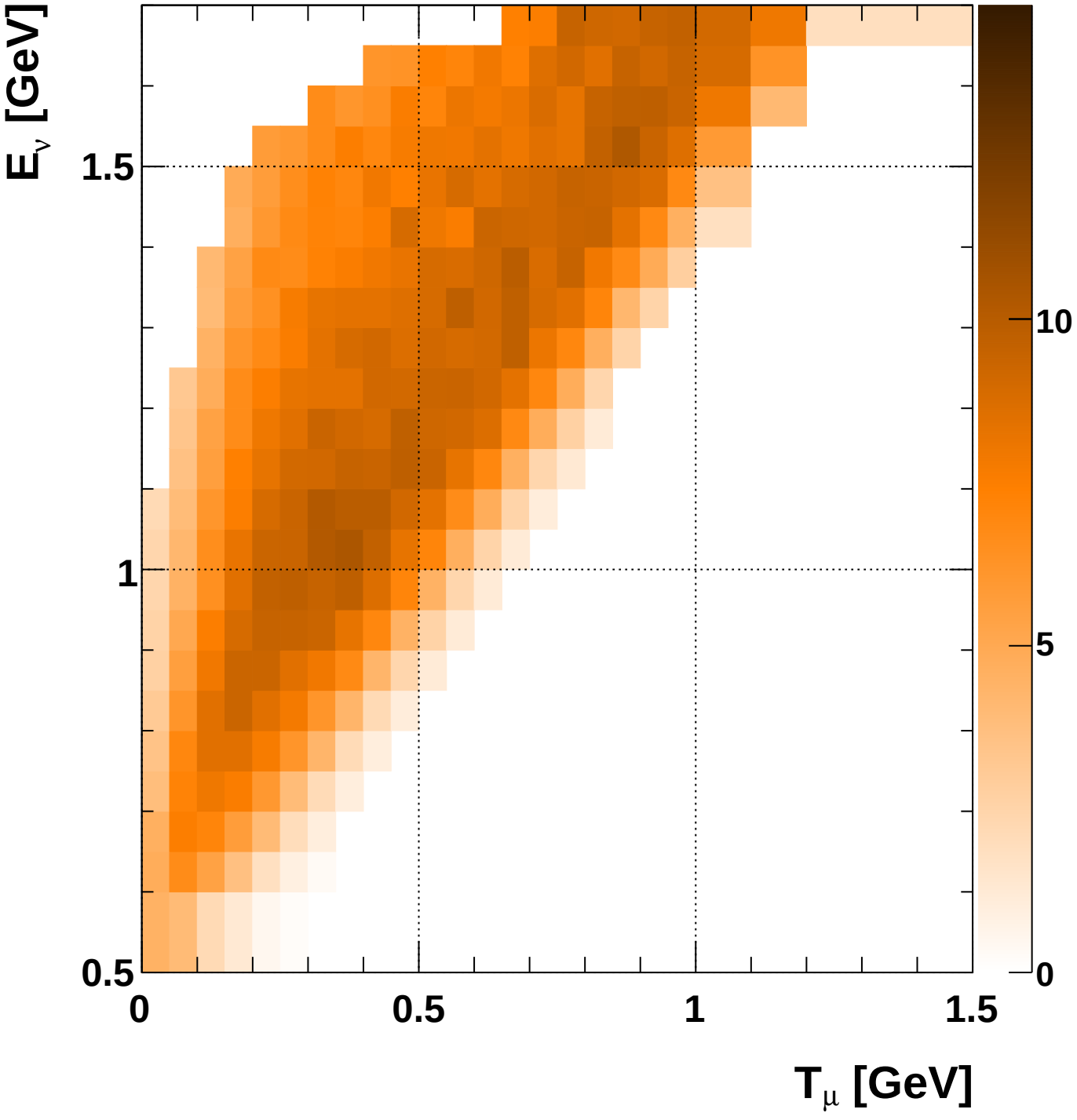

$Q^2 \in [1.05; 1.15]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
0
1
2
3
4
0.5
1
1.5
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 5.48/6 DoF


$Q^2 \in [1.15; 1.3]$ GeV^2
$d\sigma/dQ^2$ [10^{-38} cm^2/GeV^2]
0
1
2
3
0.5
1
1.5
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 2.68/3 DoF



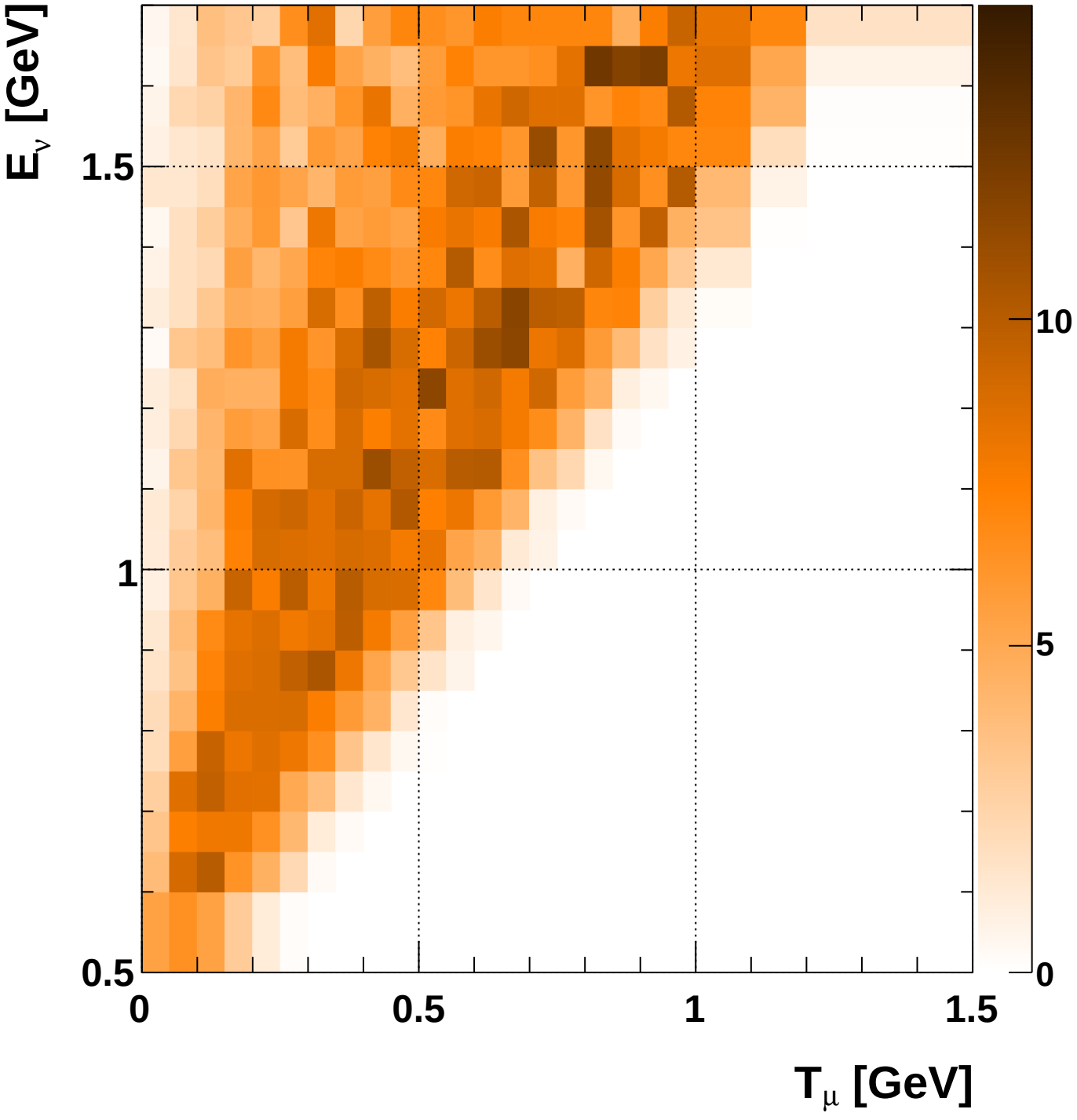
miniboone_nucc1pip_2011

master:G18_02a_00_000:miniboone_fhc χ^2 = 3.42/23 DoF



$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]

Data: miniboone_nucc1pip_2011



$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]

Pred: master:G18_02a_00_000:miniboone_fhc

miniboone_nucc1pip_2011

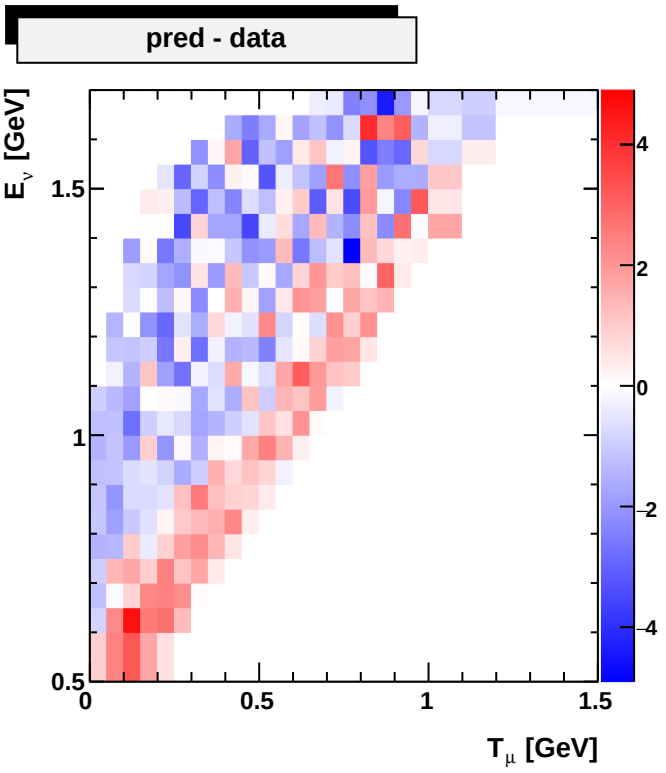
VS

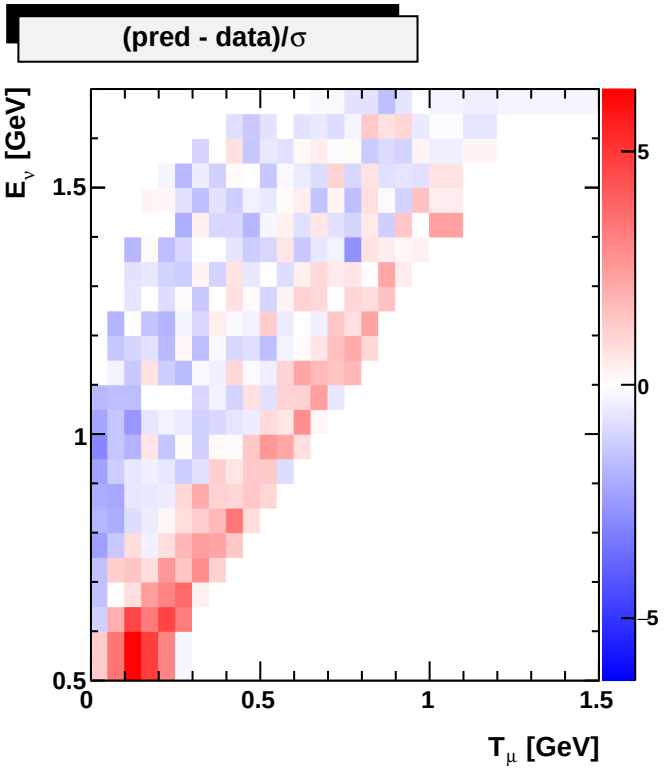
master:G18_02a_00_000:miniboone_fhc

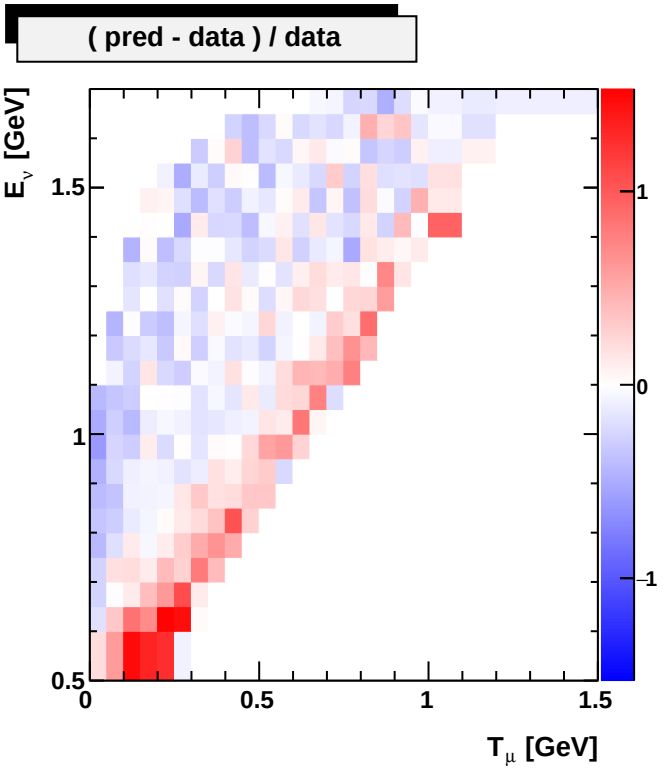
$d\sigma/dT_\mu$

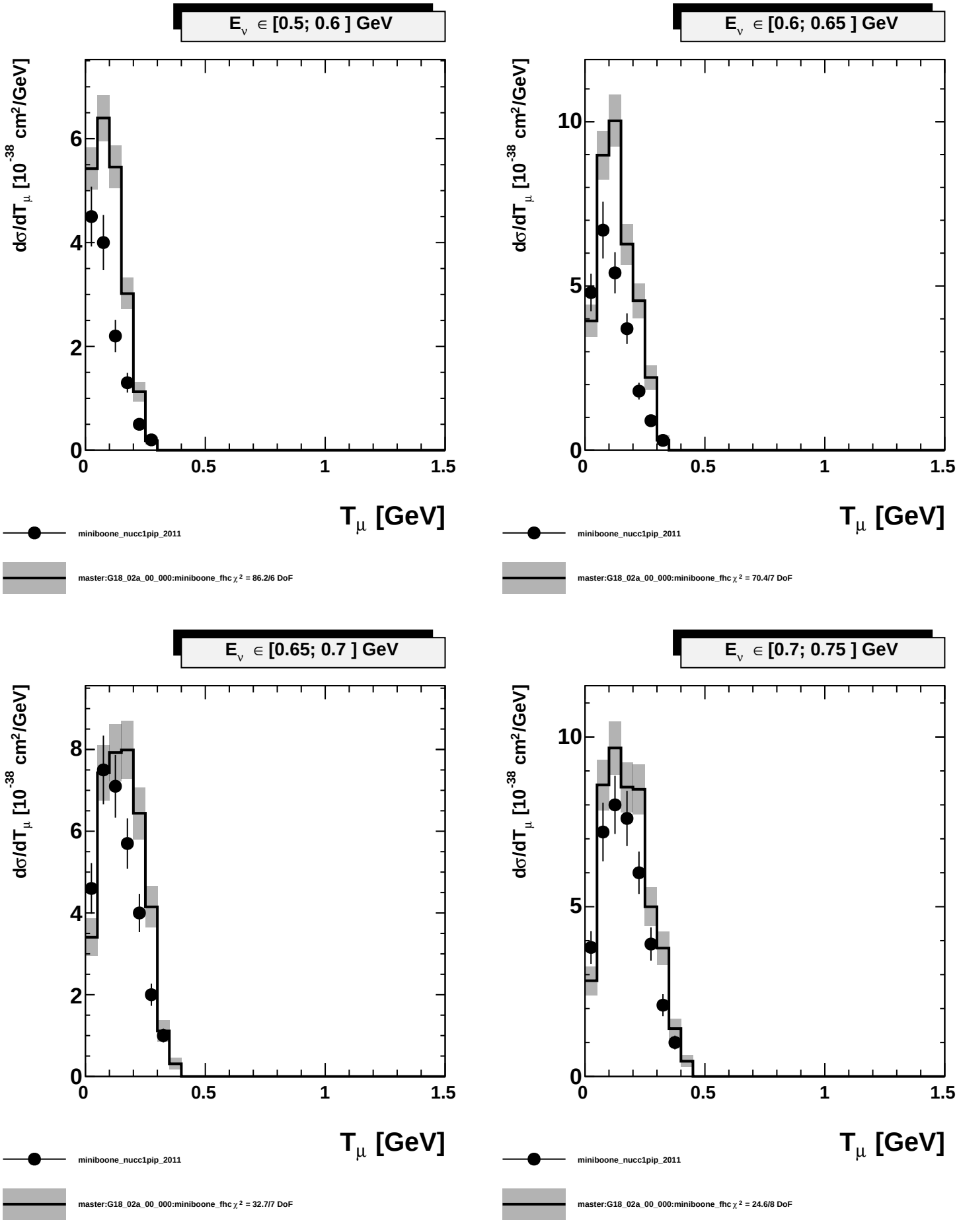
$[10^{-38}\ cm^2/GeV]$

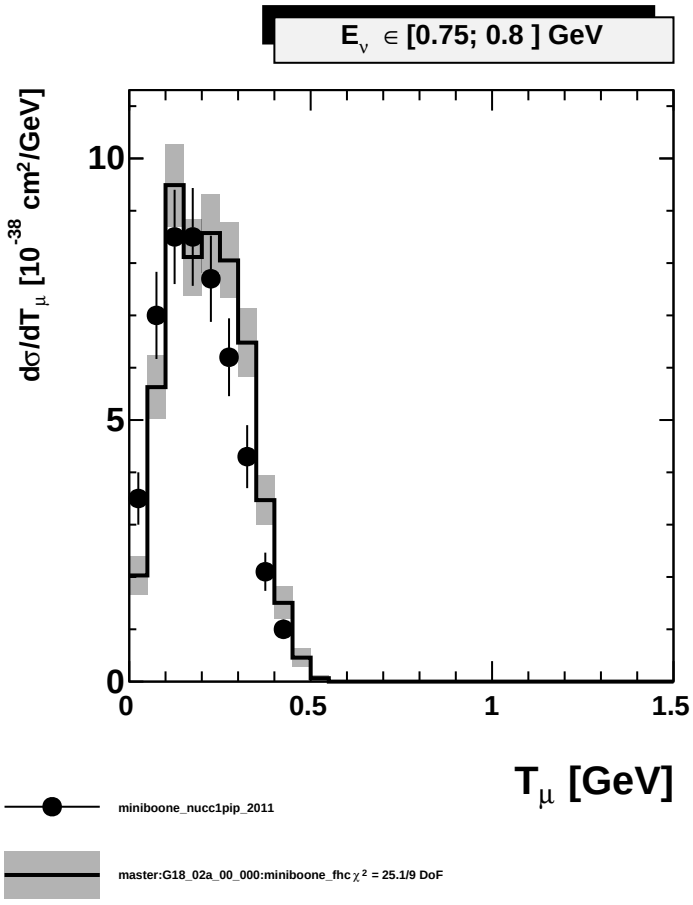
χ^2 = 558.977/303 DoF

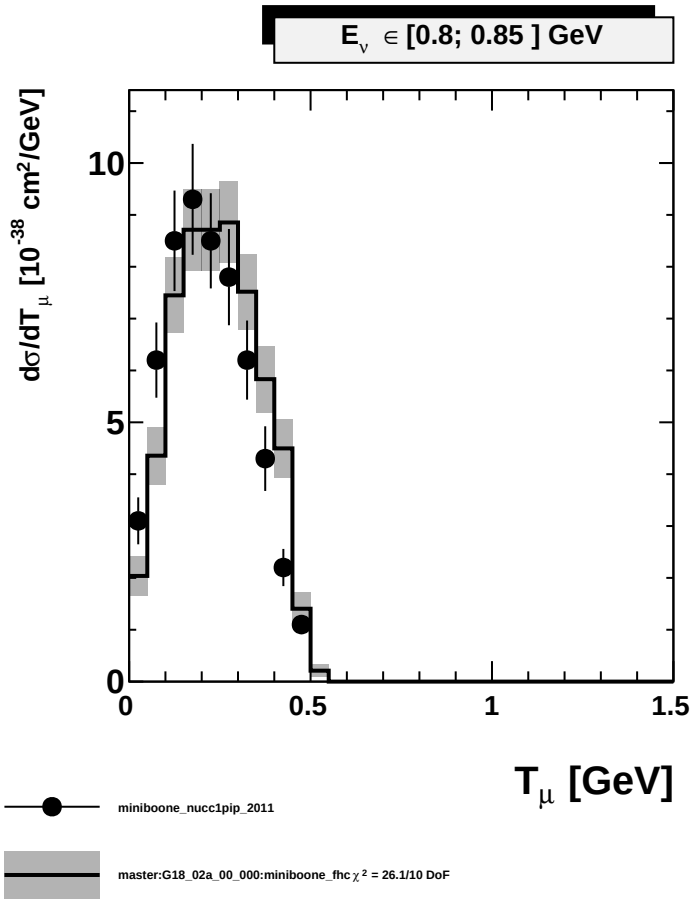


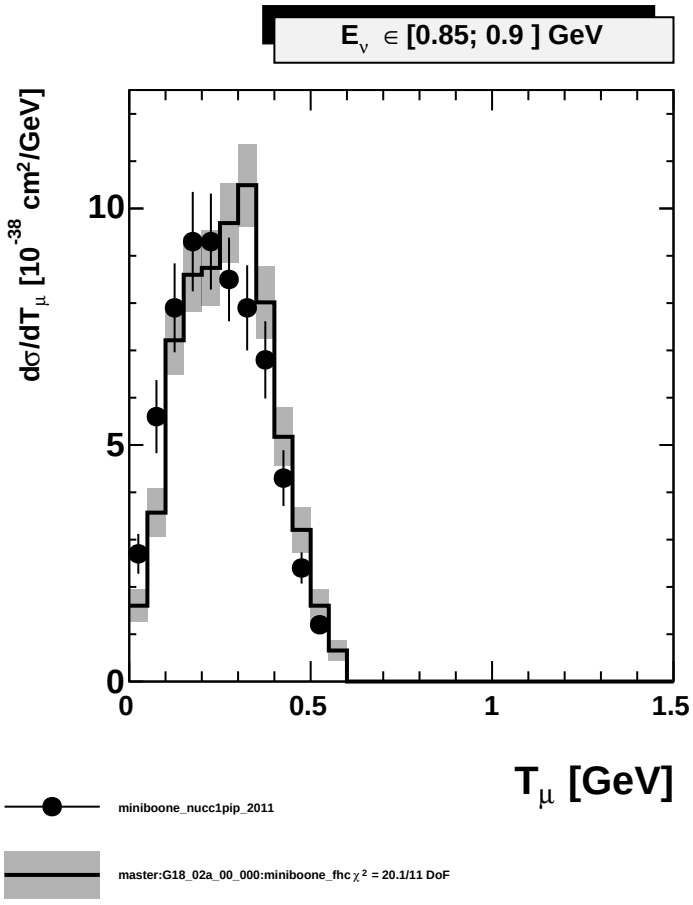


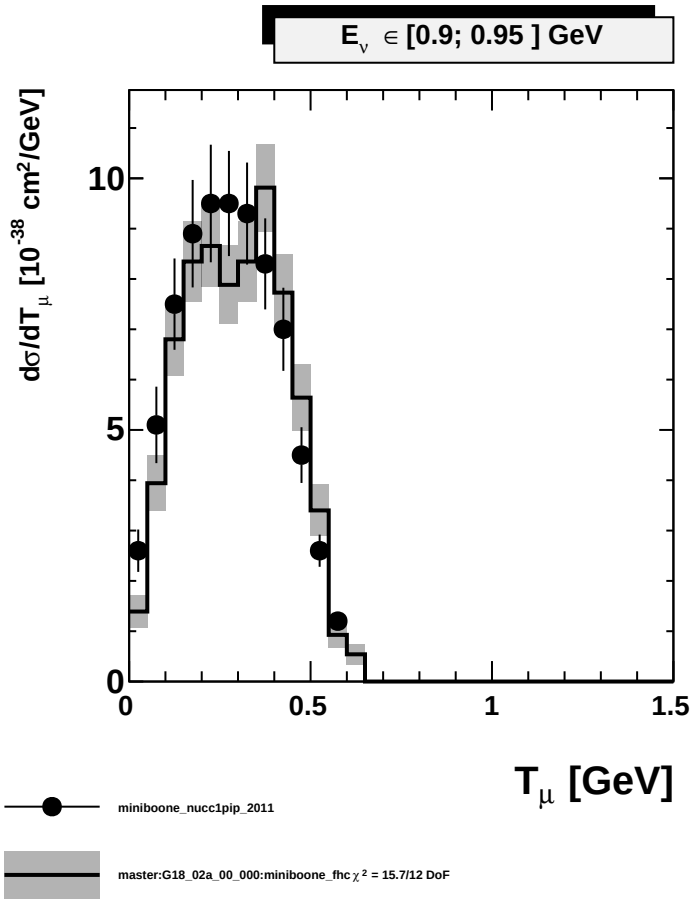


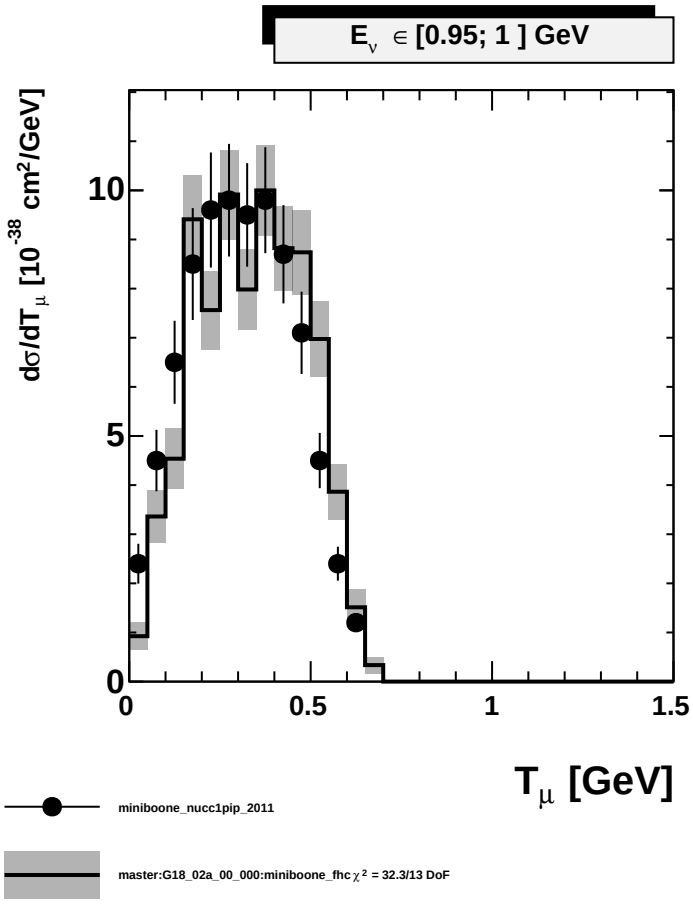

$E_\nu \in [0.5; 0.6]$ GeV
$E_\nu \in [0.6; 0.65]$ GeV
$E_\nu \in [0.65; 0.7]$ GeV
$E_\nu \in [0.7; 0.75]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 86.2/6 DoF
master:G18_02a_00_000:miniboone_fhc χ^2 = 70.4/7 DoF
master:G18_02a_00_000:miniboone_fhc χ^2 = 32.7/7 DoF
master:G18_02a_00_000:miniboone_fhc χ^2 = 24.6/8 DoF

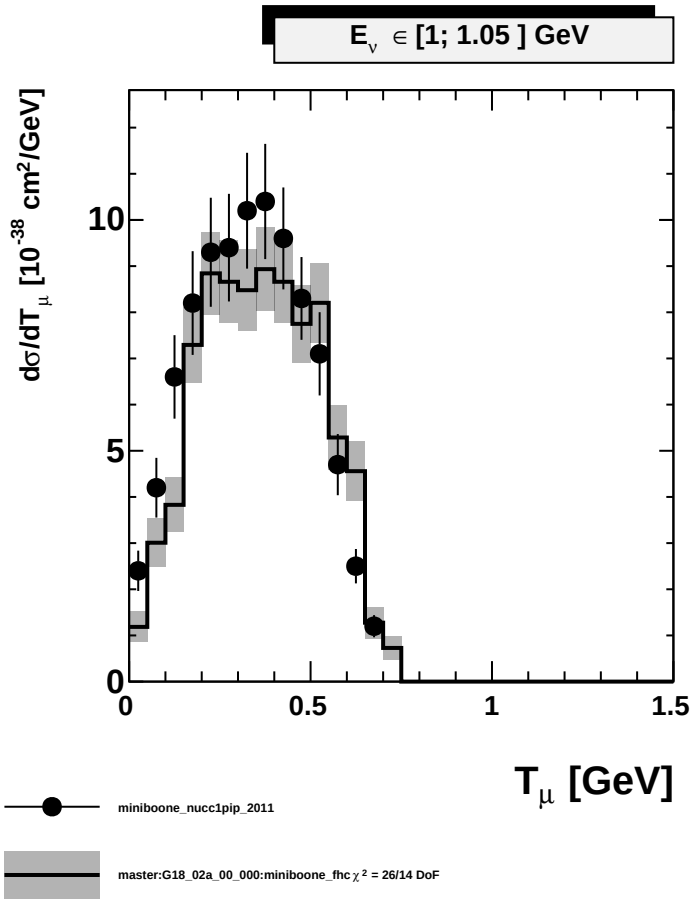

$E_\nu \in [0.75; 0.8]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 25.1/9 DoF

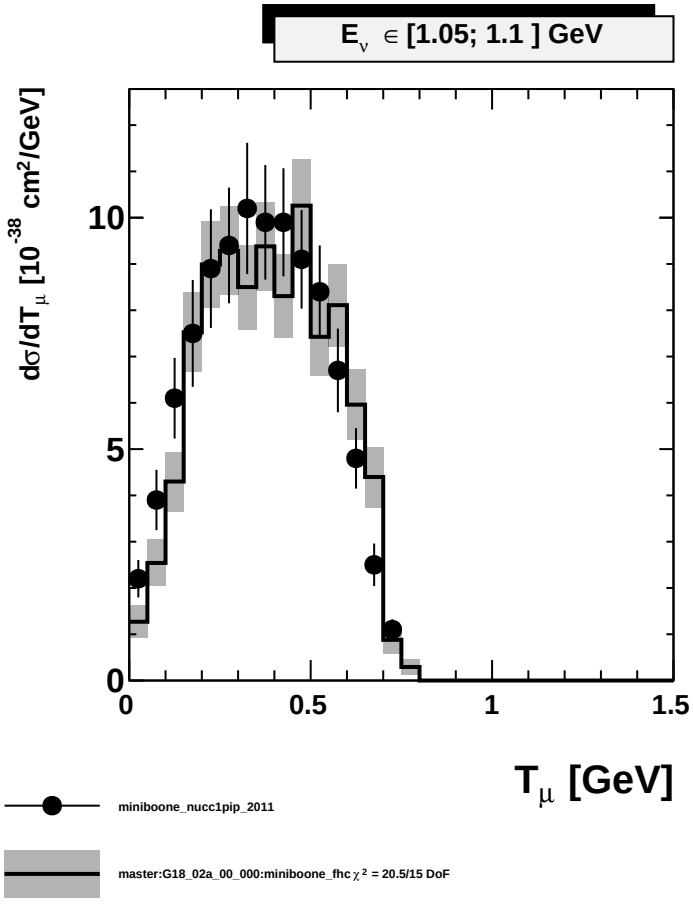

$E_\nu \in [0.8; 0.85]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 26.1/10 DoF

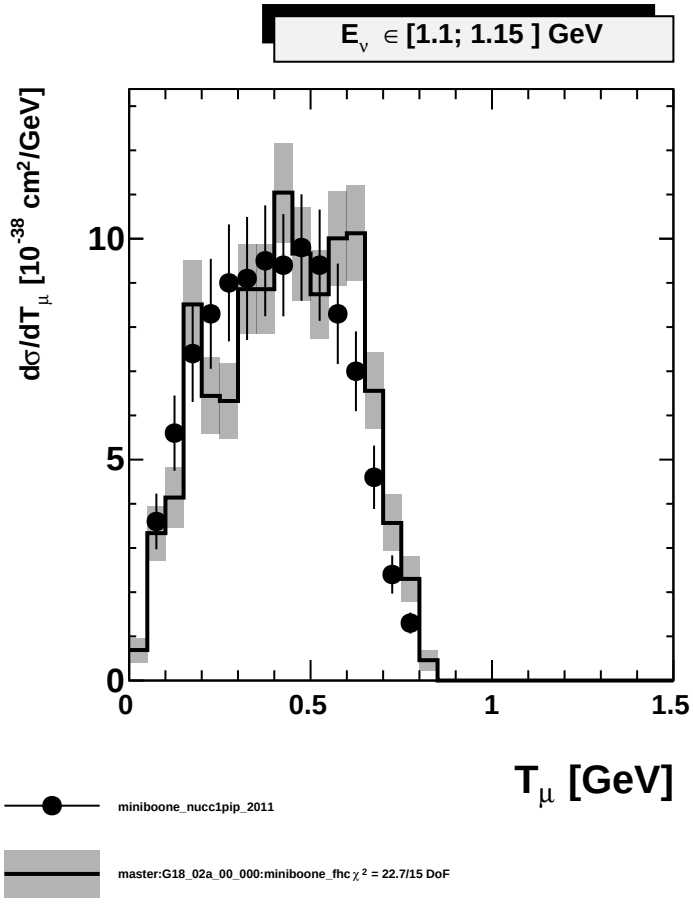

$E_\nu \in [0.85; 0.9]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 20.1/11 DoF

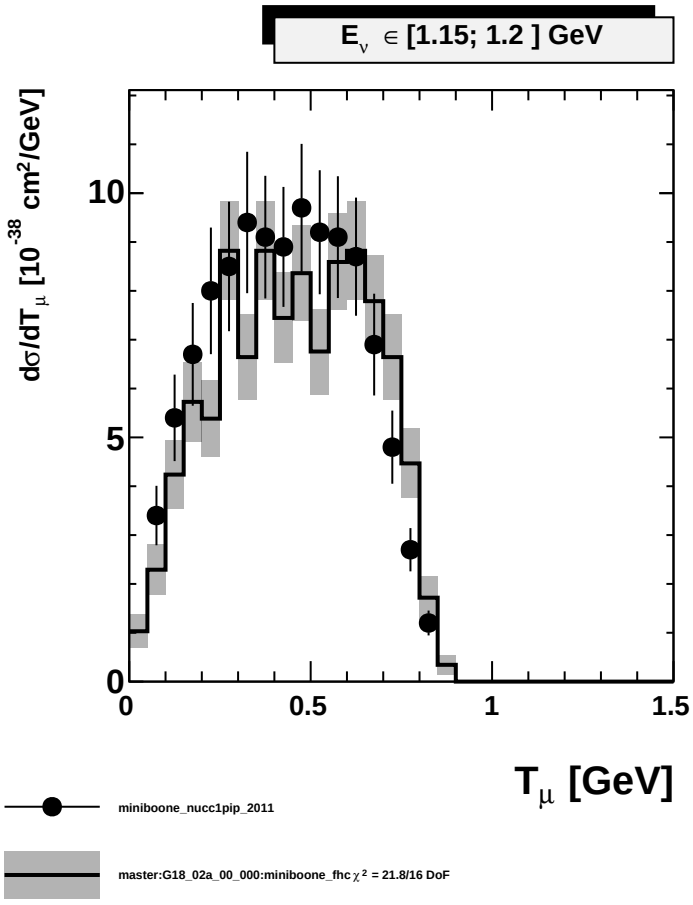

$E_\nu \in [0.9; 0.95]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 15.7/12 DoF

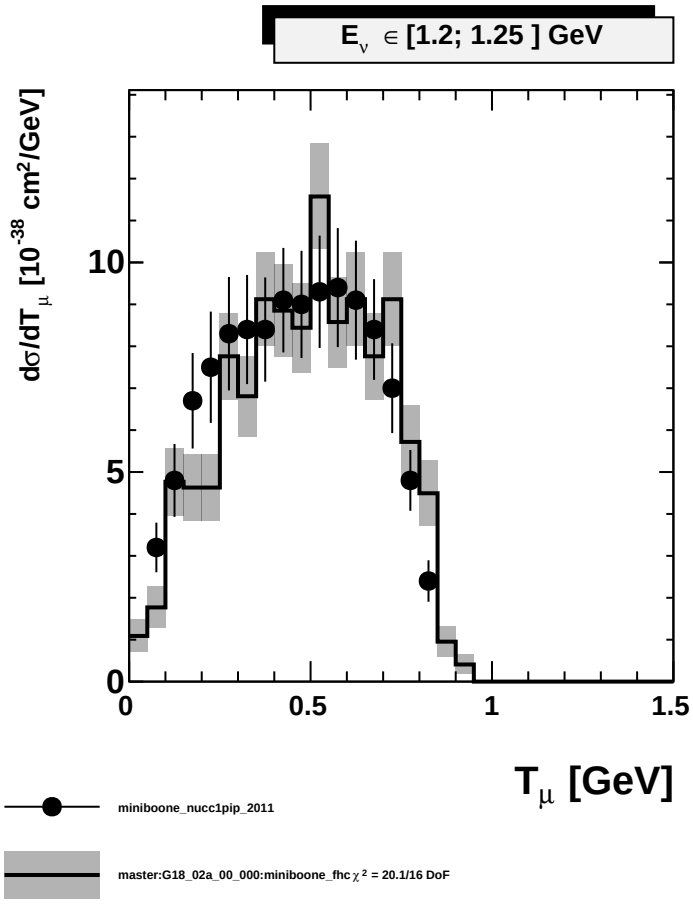

$E_\nu \in [0.95; 1]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 32.3/13 DoF

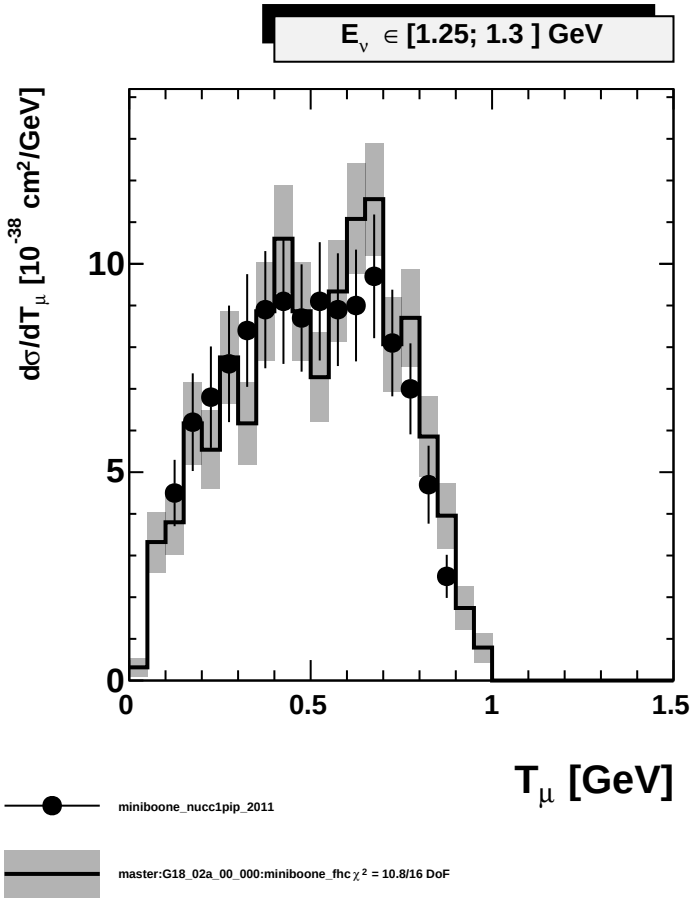

$E_\nu \in [1; 1.05]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 26/14 DoF

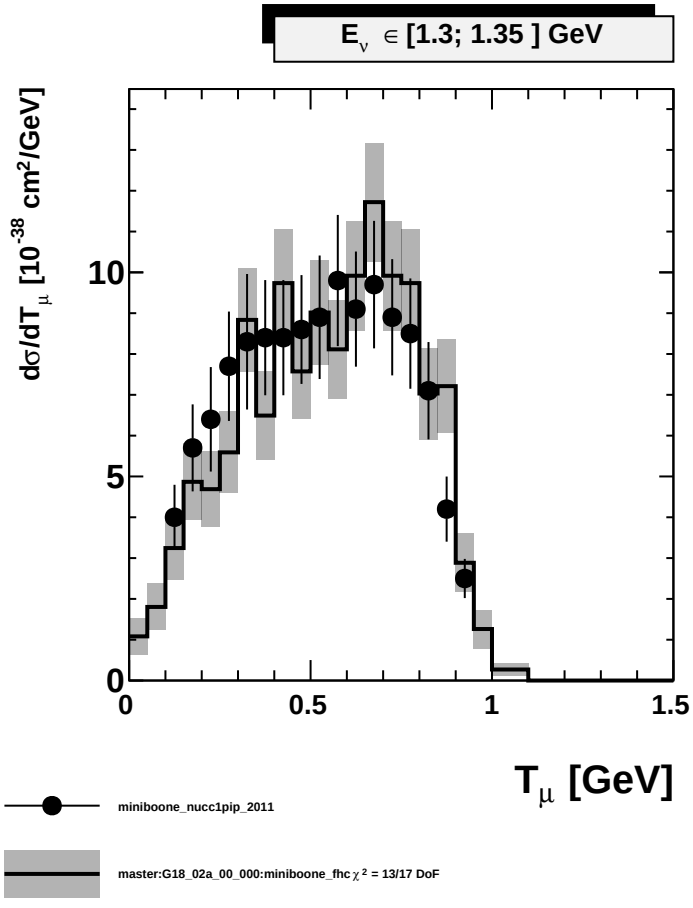

$E_\nu \in [1.05; 1.1]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 20.5/15 DoF

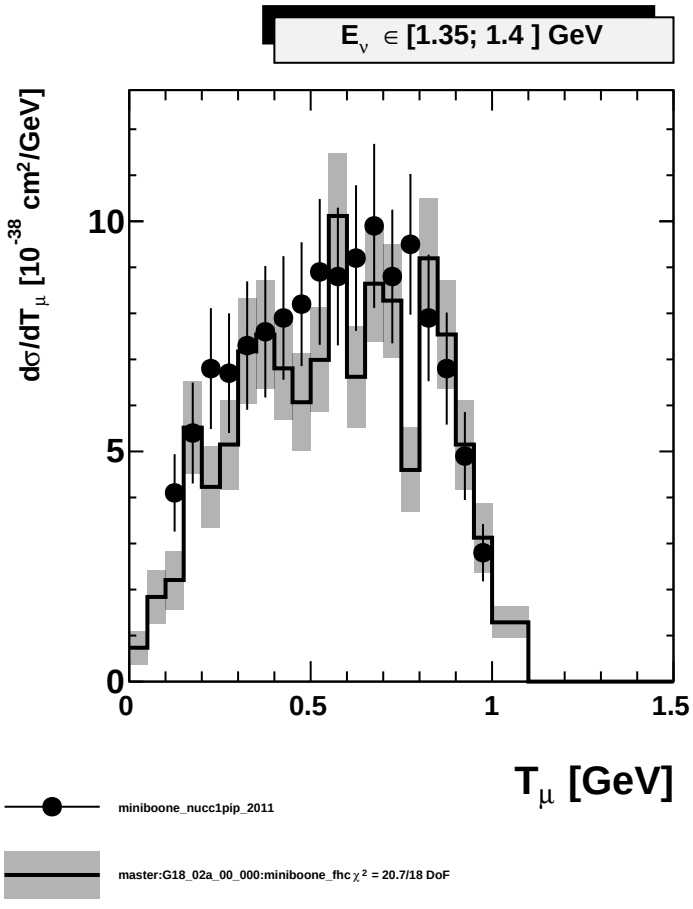

$E_\nu \in [1.1; 1.15]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 22.7/15 DoF

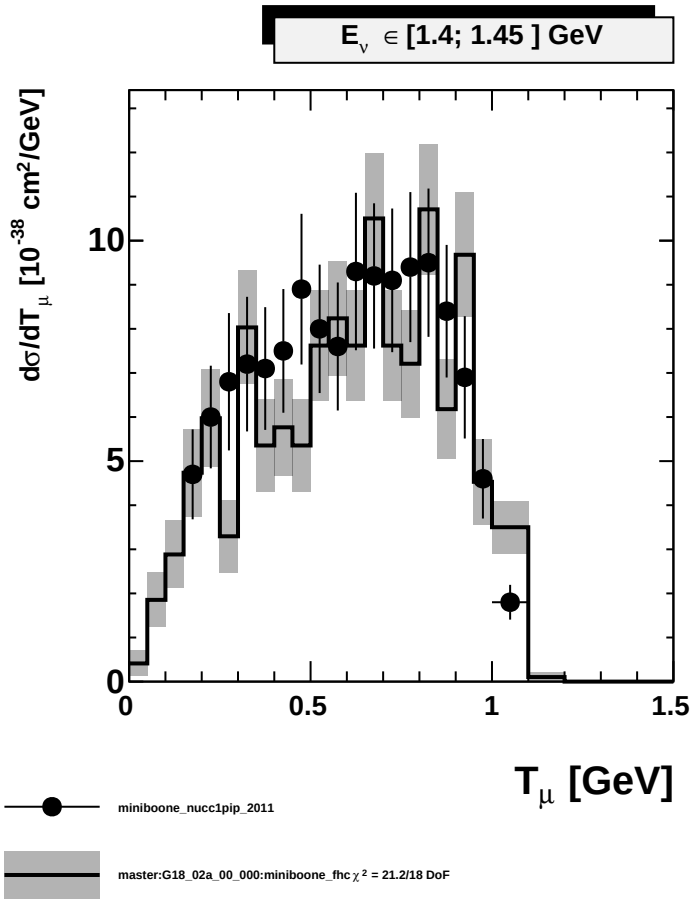

$E_\nu \in [1.15; 1.2]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 21.8/16 DoF

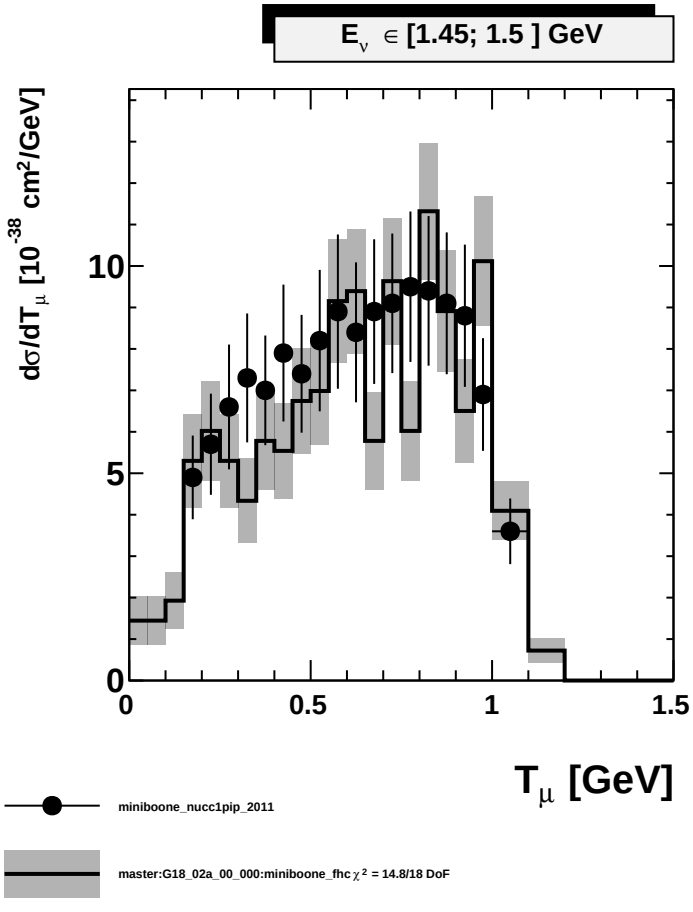

$E_\nu \in [1.2; 1.25]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 20.1/16 DoF

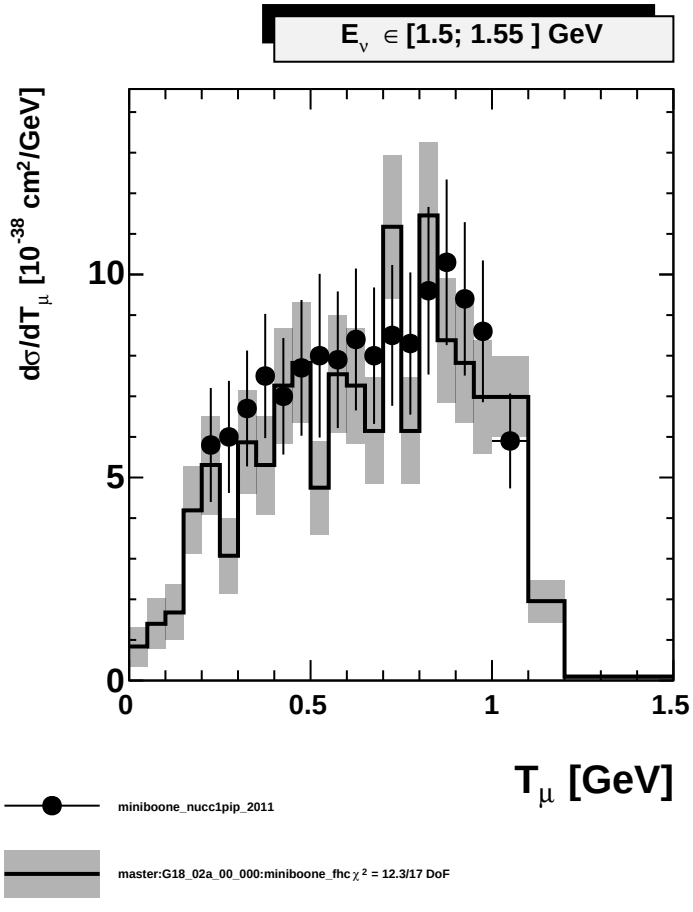

$E_\nu \in [1.25; 1.3]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 10.8/16 DoF

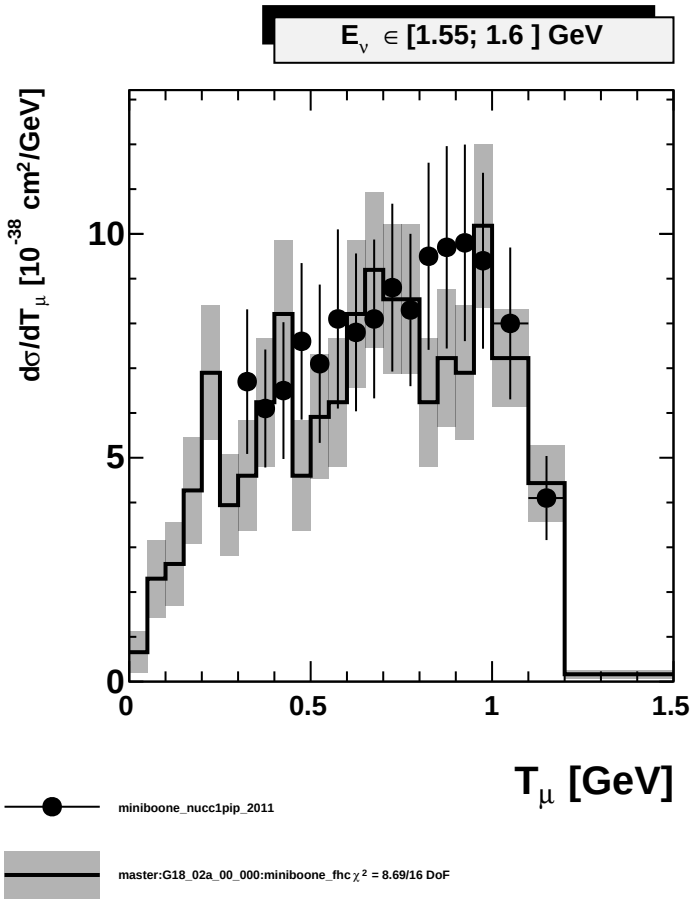

$E_\nu \in [1.3; 1.35]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 13/17 DoF

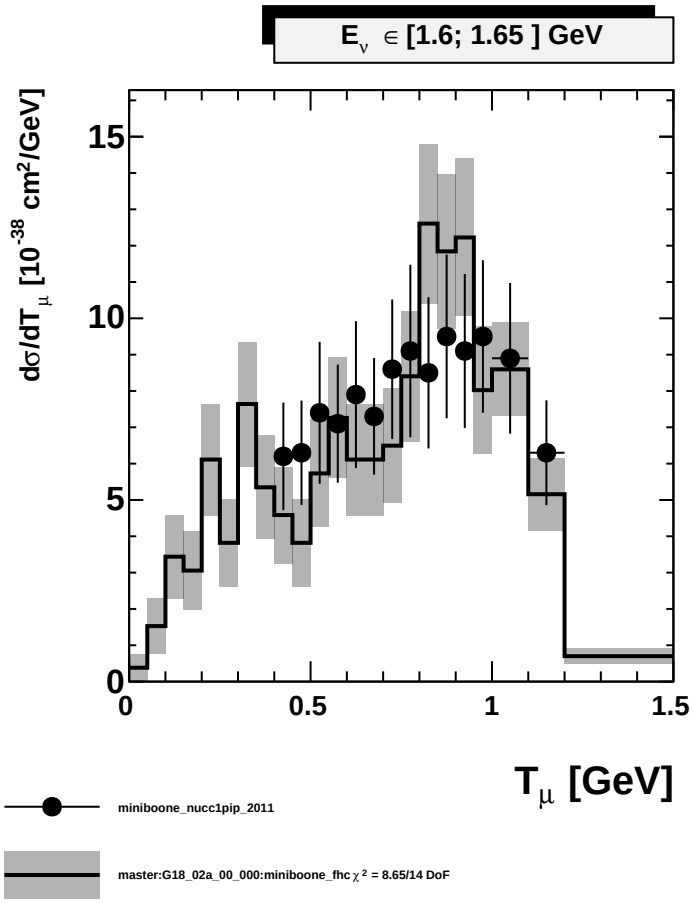

$E_\nu \in [1.35; 1.4]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 20.7/18 DoF

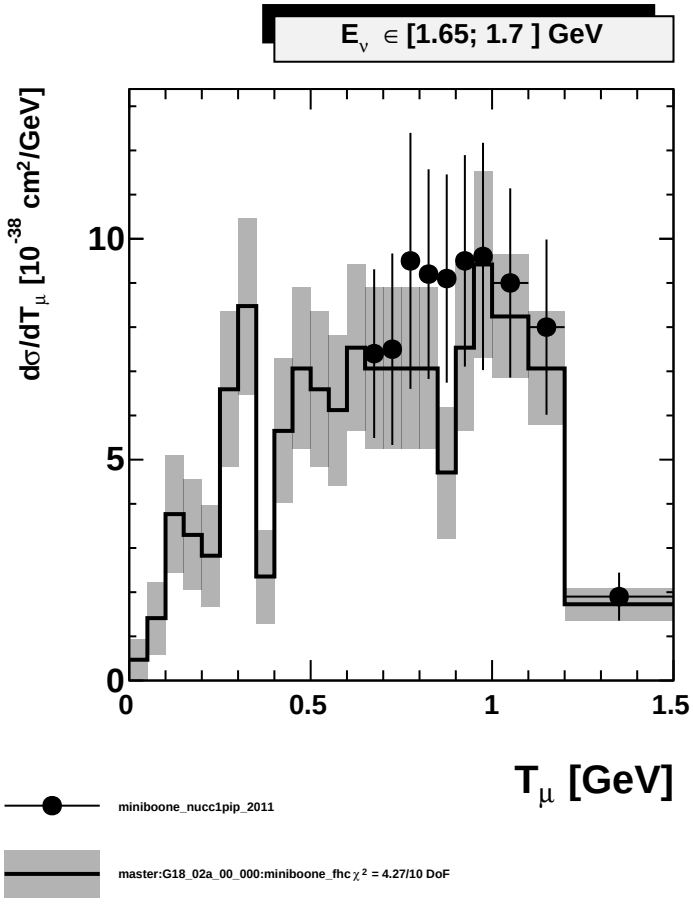

$E_\nu \in [1.4; 1.45]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 21.2/18 DoF

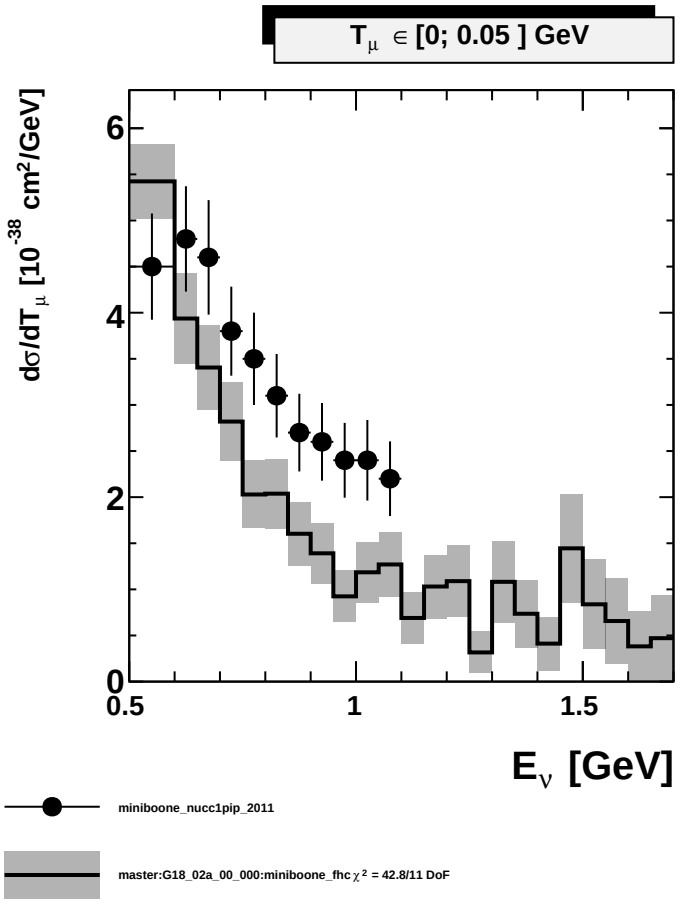

$E_\nu \in [1.45; 1.5]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 14.8/18 DoF

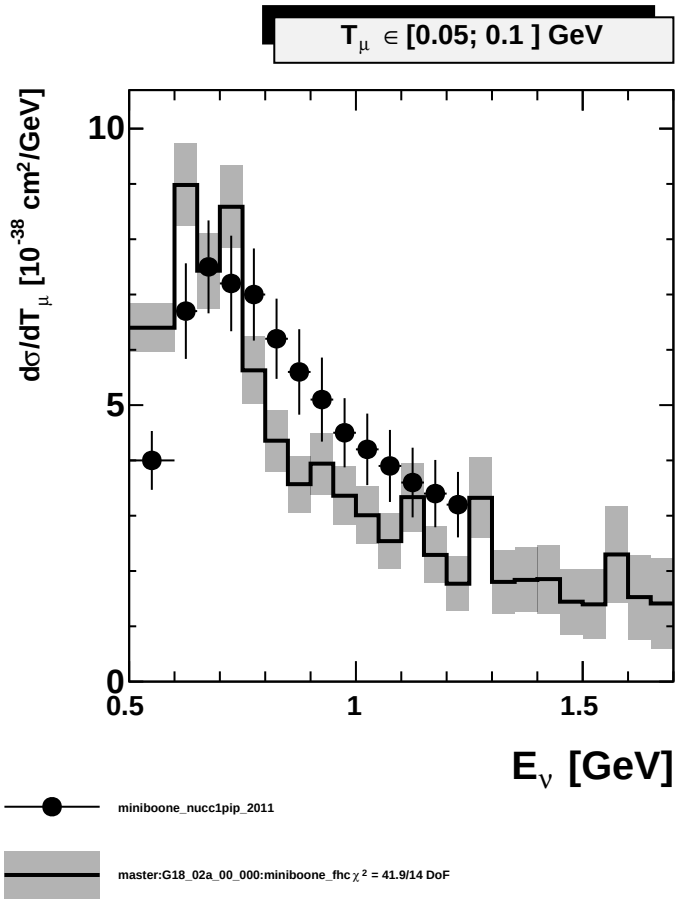

$E_\nu \in [1.5; 1.55]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 12.3/17 DoF

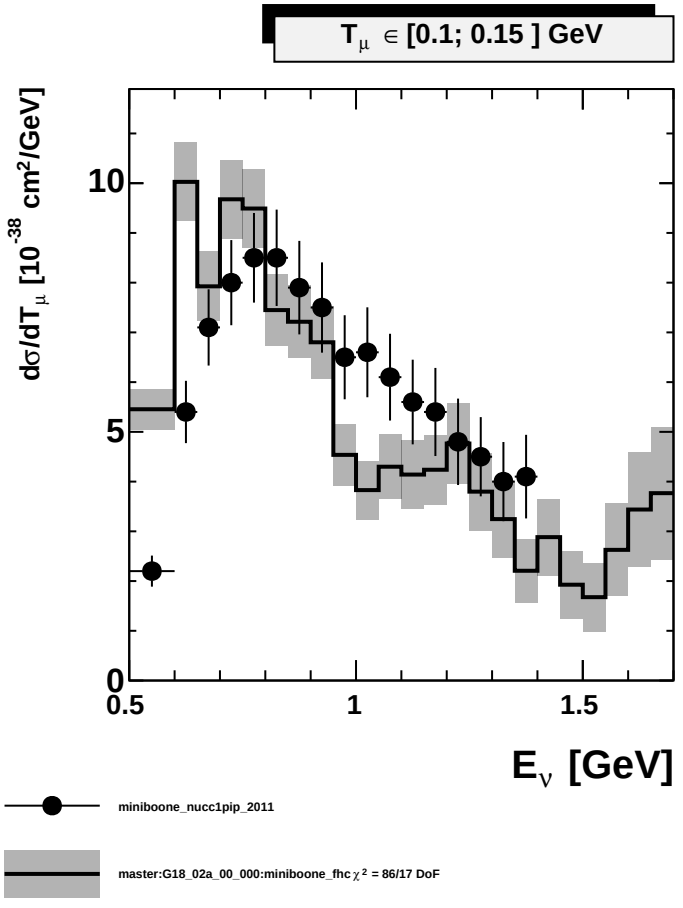

$E_\nu \in [1.55; 1.6]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 8.69/16 DoF

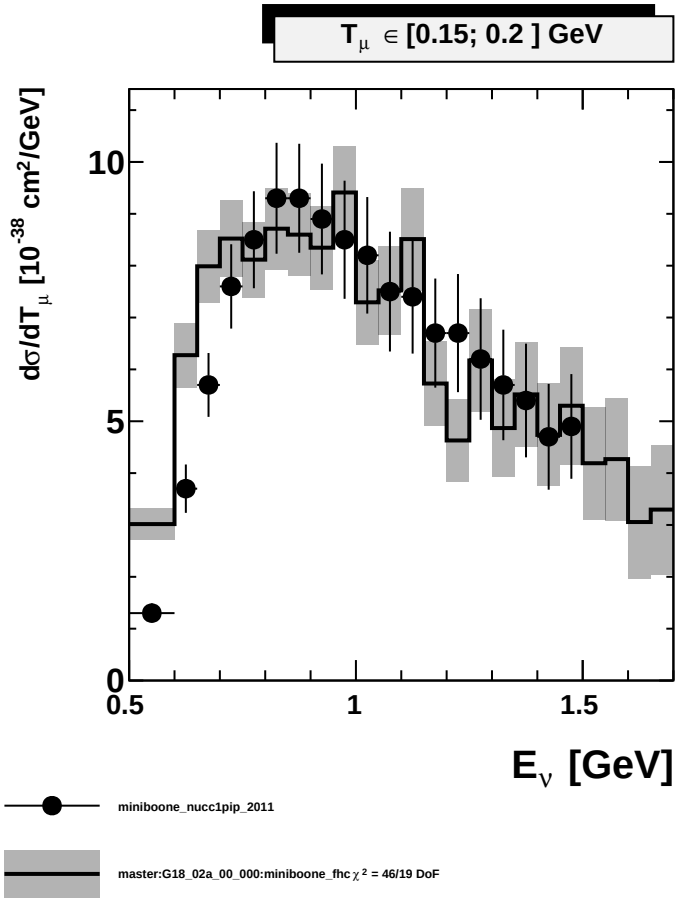

$E_\nu \in [1.6; 1.65]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 8.65/14 DoF

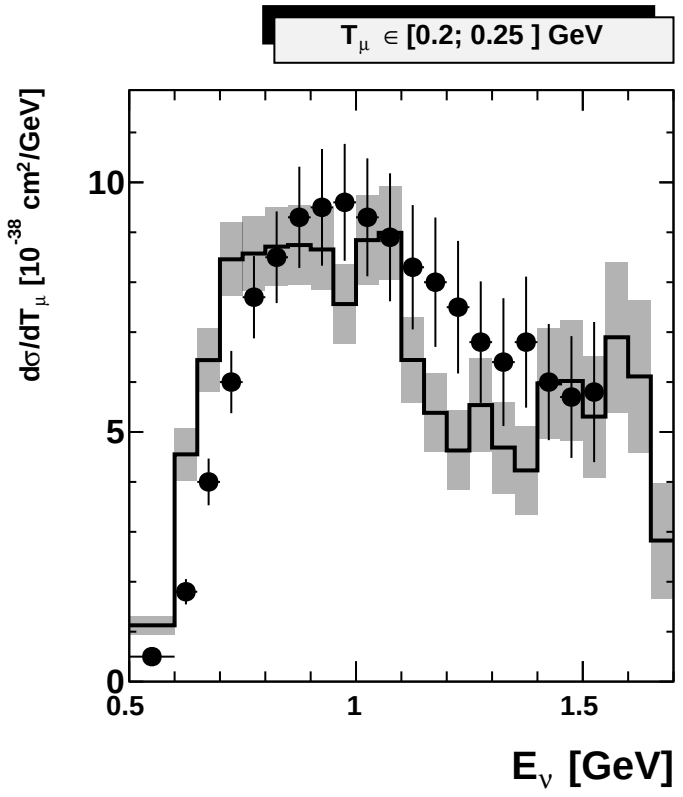

$E_\nu \in [1.65; 1.7]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
T_μ [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 4.27/10 DoF

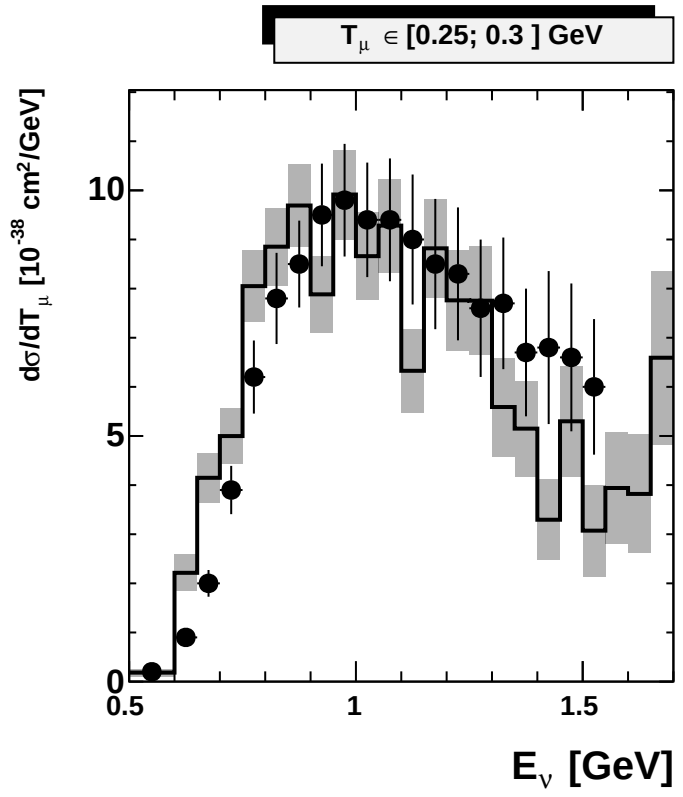

$T_\mu \in [0; 0.05]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 42.8/11 DoF

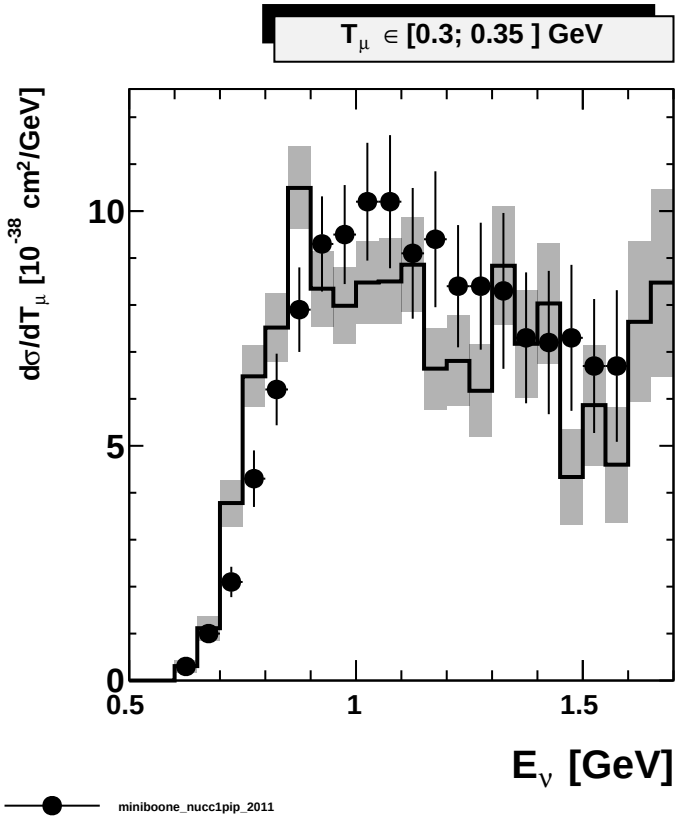

$T_\mu \in [0.05; 0.1]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 41.9/14 DoF

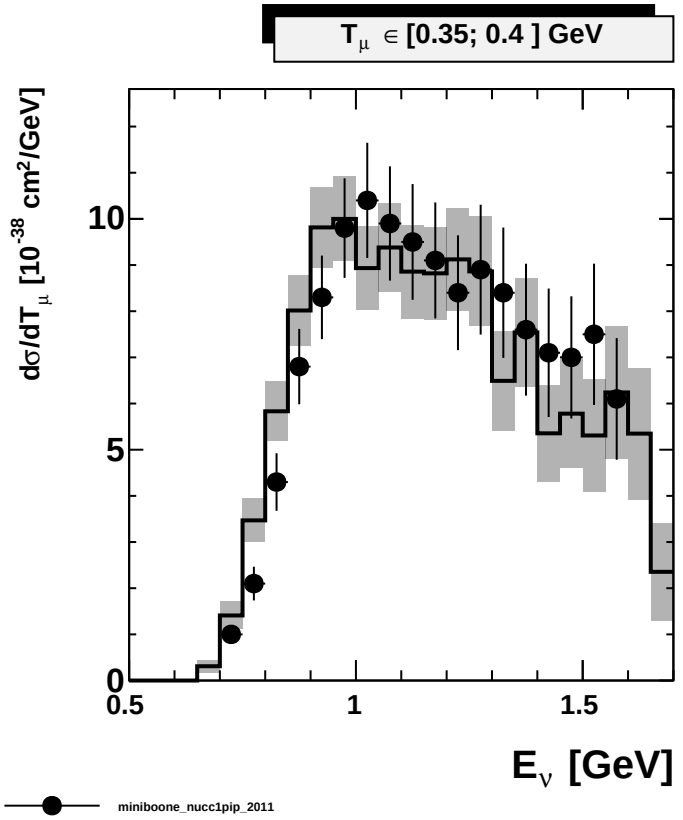

$T_\mu \in [0.1; 0.15]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 86/17 DoF

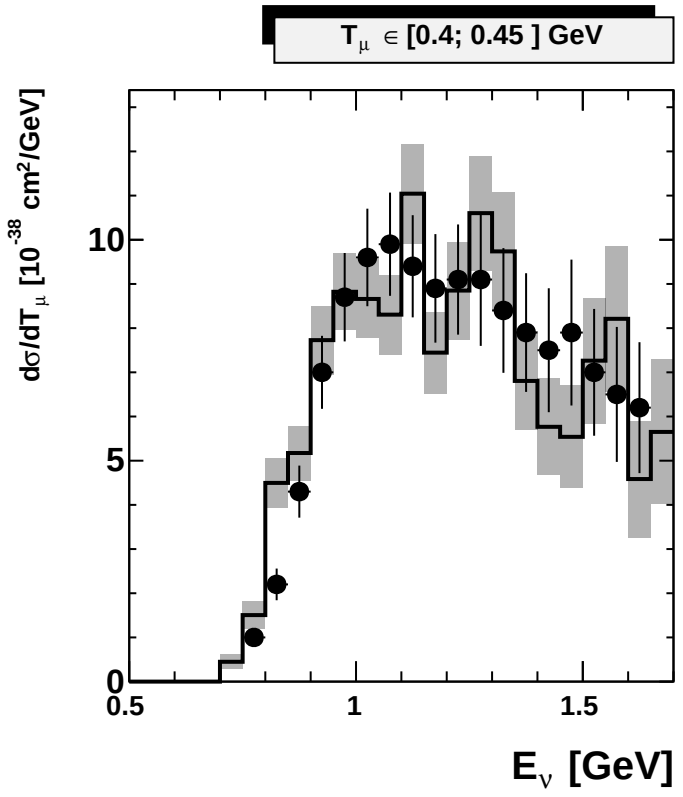

$T_\mu \in [0.15; 0.2]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 46/19 DoF

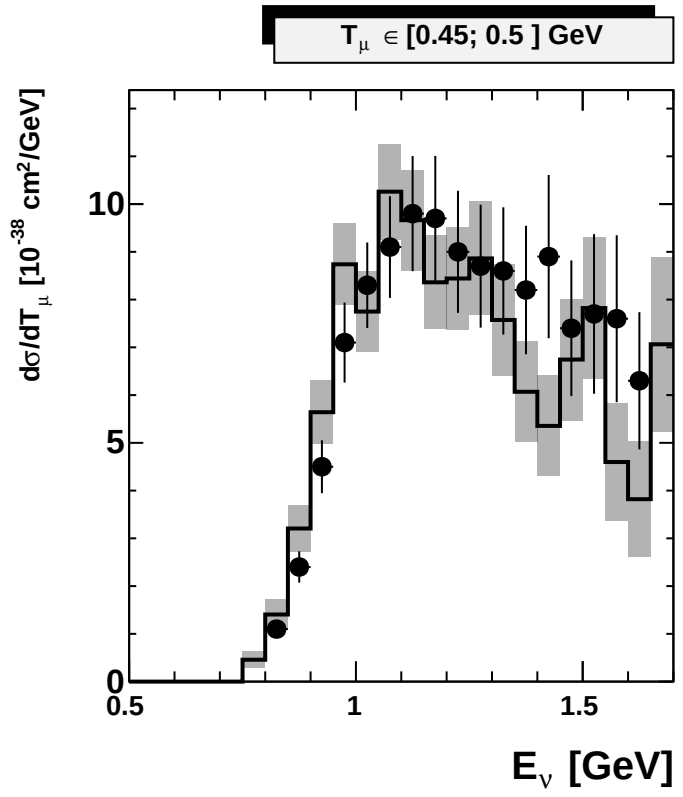

$T_\mu \in [0.2; 0.25]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 63.2/20 DoF

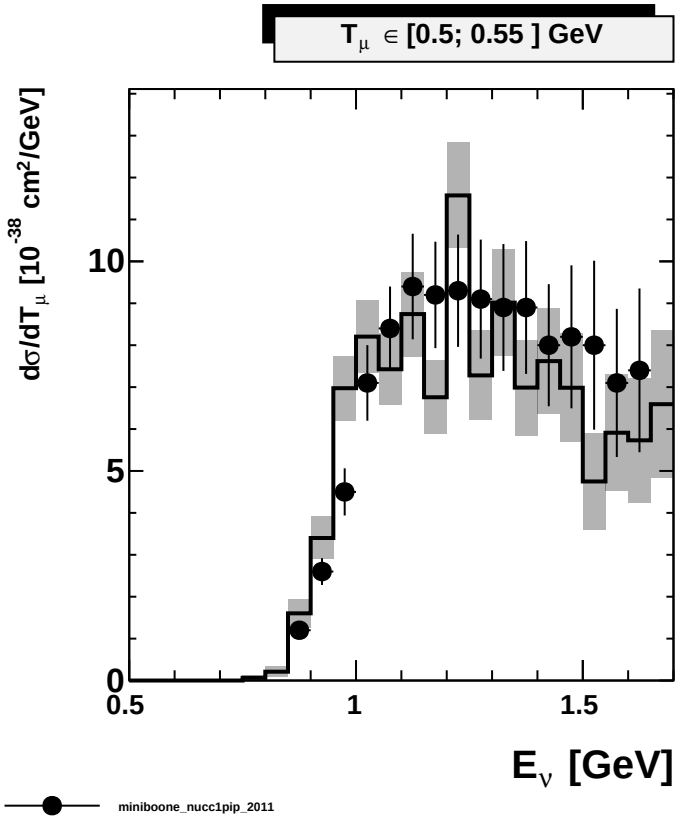

$T_\mu \in [0.25; 0.3]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 46.8/20 DoF

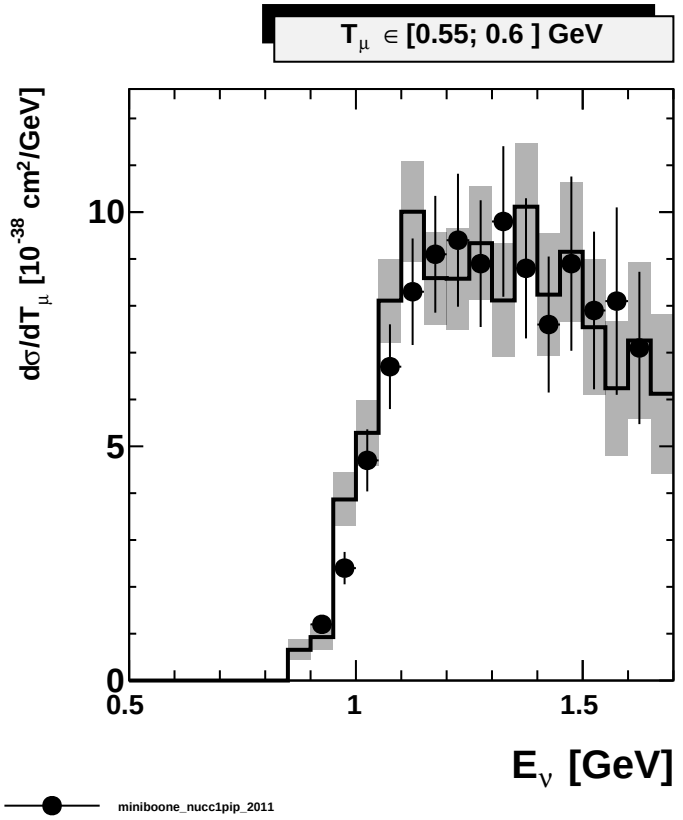

$T_\mu \in [0.3; 0.35]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 33.7/20 DoF

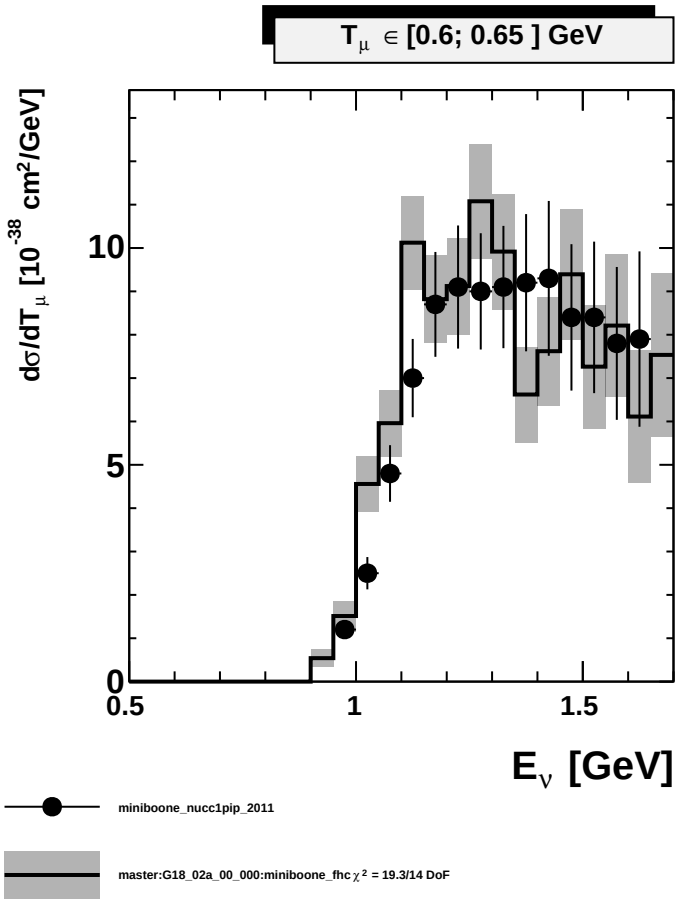

$T_\mu \in [0.35; 0.4]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 17.4/18 DoF

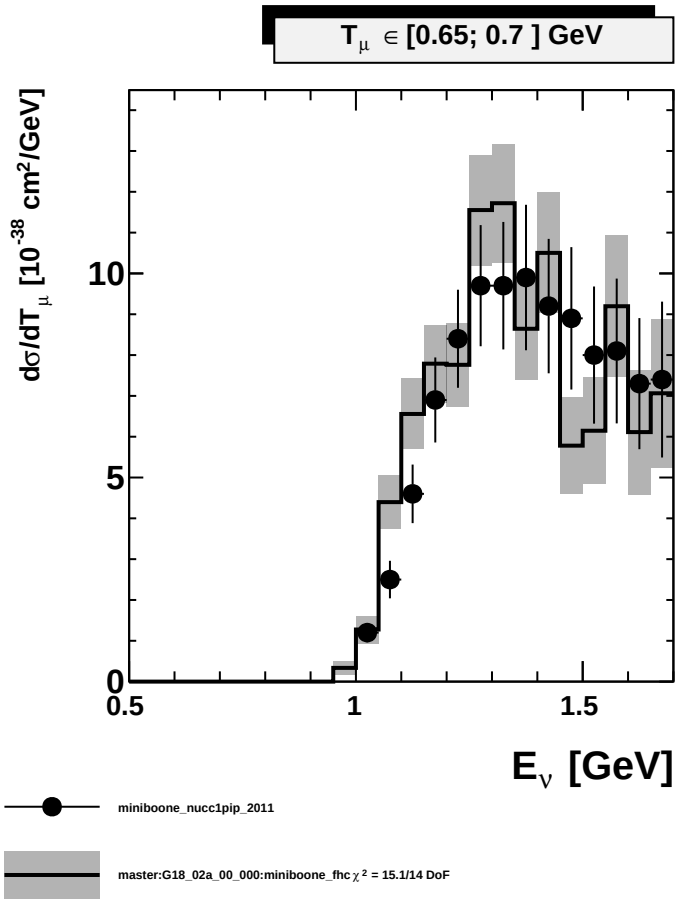

$T_\mu \in$ [0.4; 0.45] GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 23.8/18 DoF

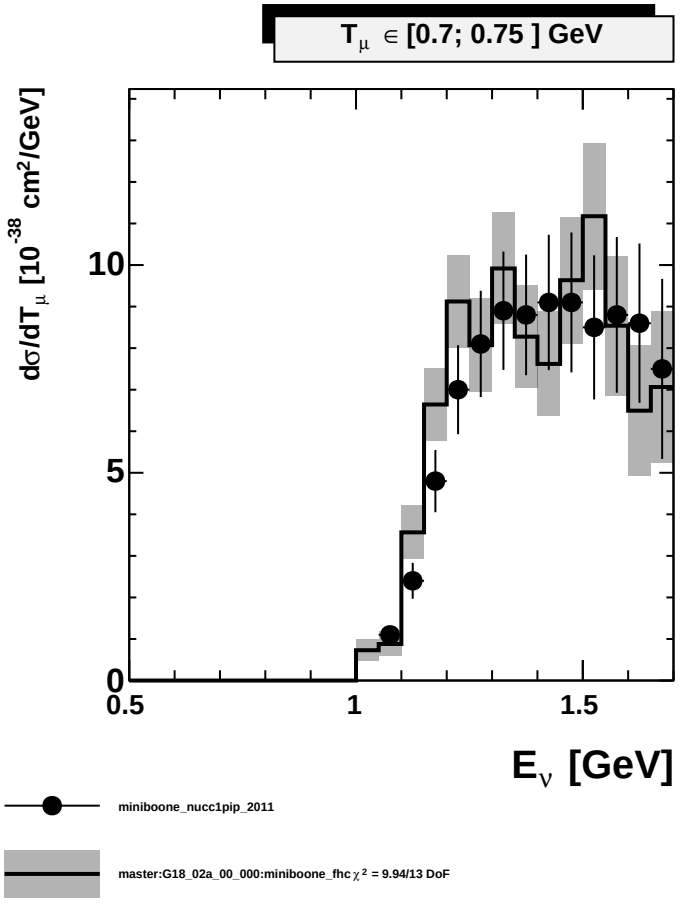

$T_\mu \in$ [0.45; 0.5] GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 16.7/17 DoF

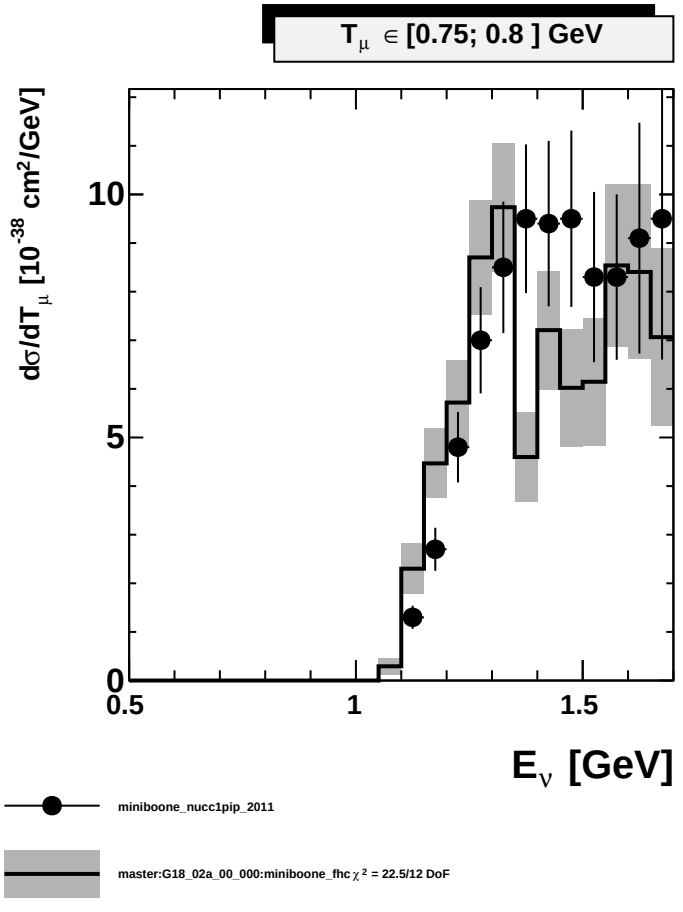

$T_\mu \in$ [0.5; 0.55] GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 20.2/16 DoF

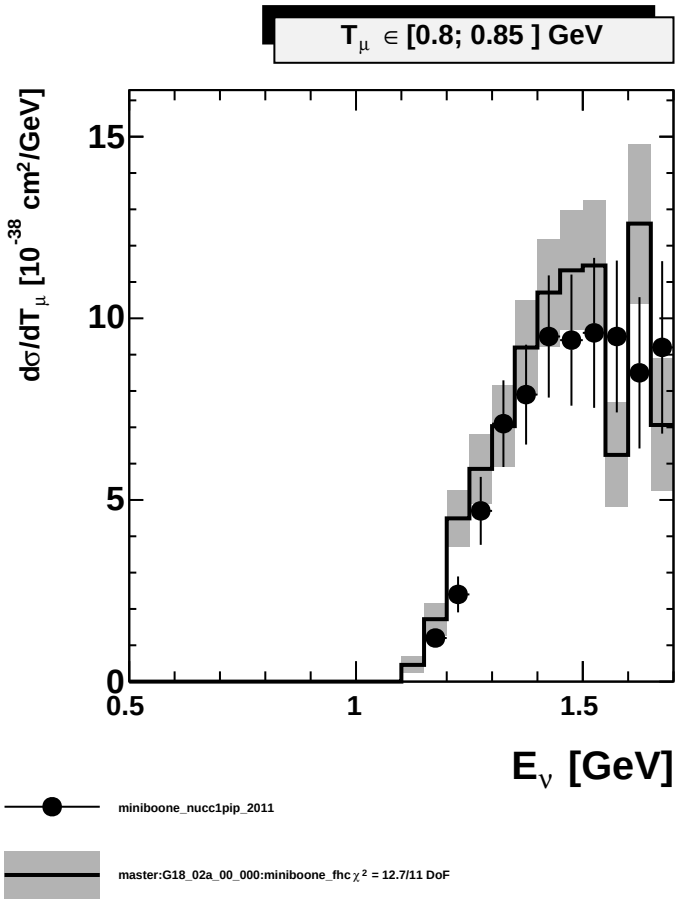

$T_\mu \in$ [0.55; 0.6] GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 10.6/15 DoF

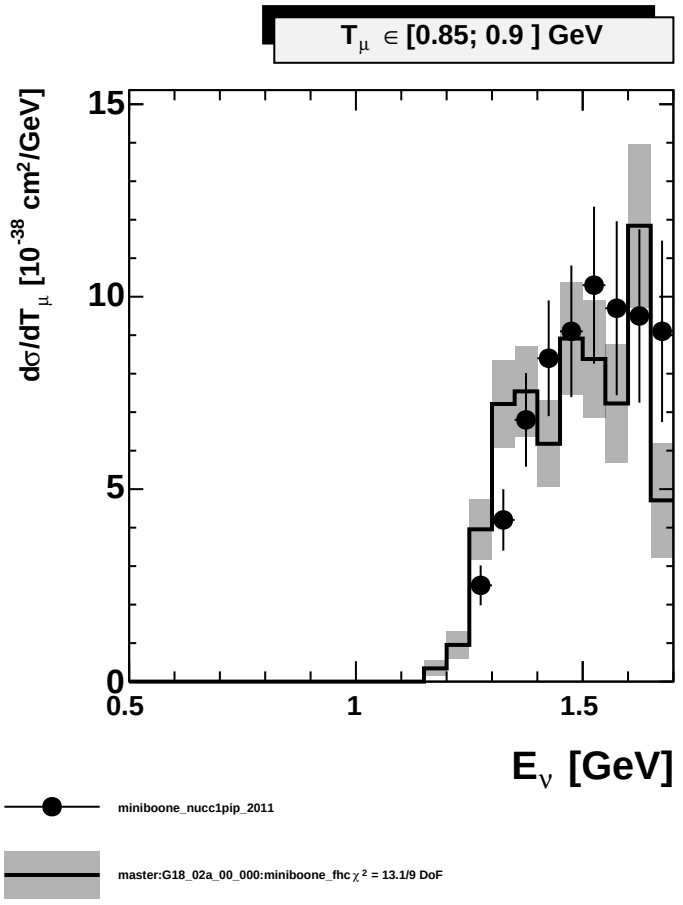

$T_\mu \in [0.6; 0.65]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 19.3/14 DoF

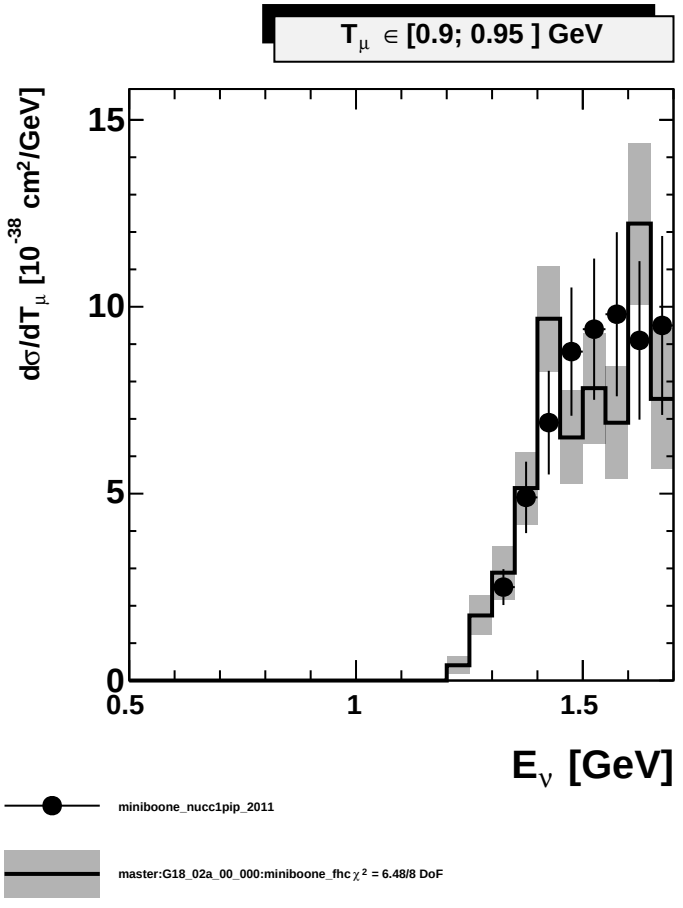

$T_\mu \in [0.65; 0.7]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 15.1/14 DoF

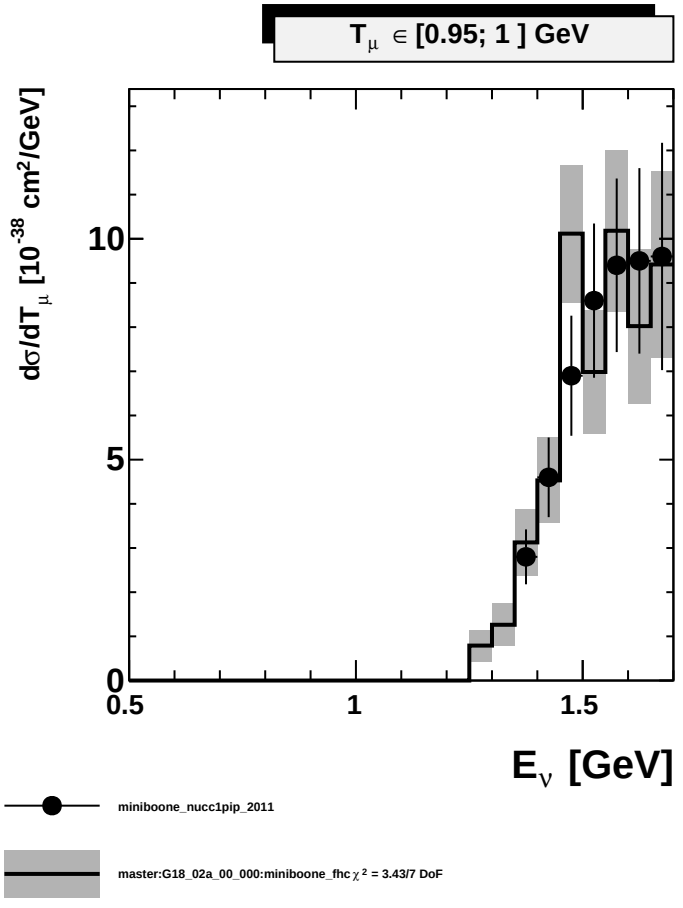

$T_\mu \in [0.7; 0.75]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 9.94/13 DoF

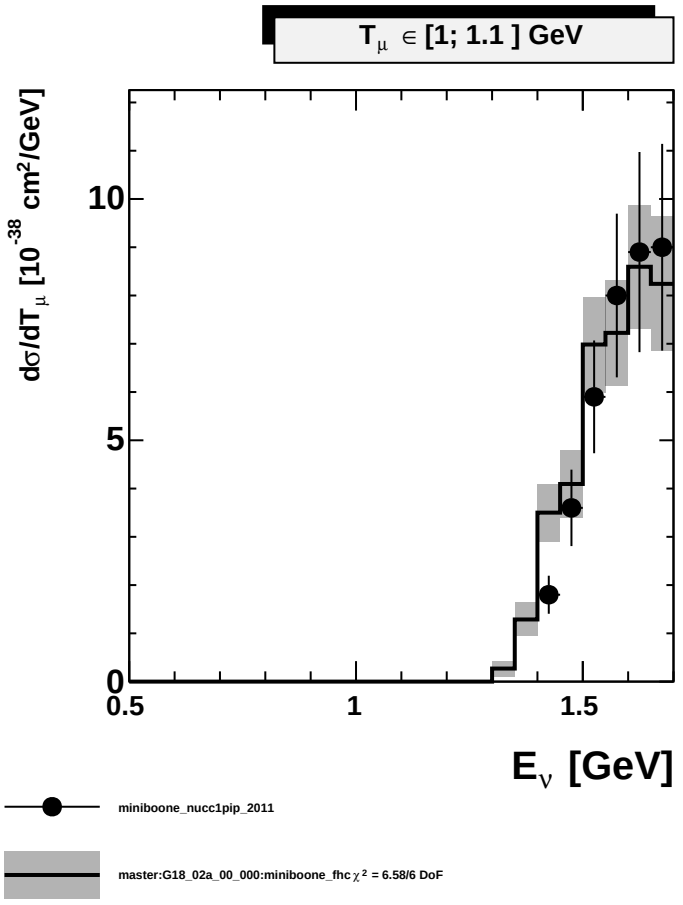

$T_\mu \in [0.75; 0.8]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 22.5/12 DoF

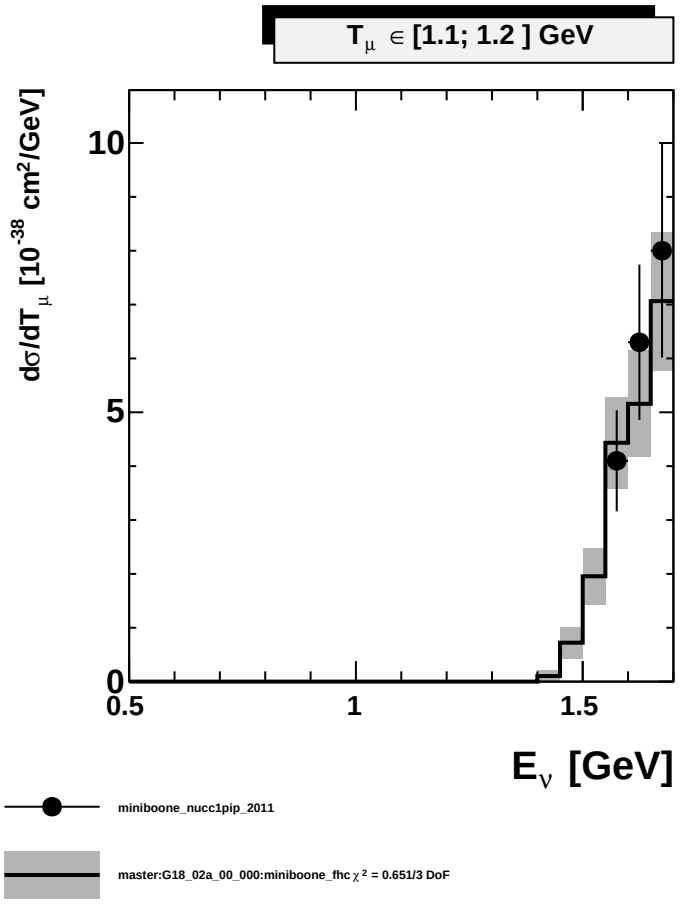

$T_\mu \in [0.8; 0.85]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 12.7/11 DoF

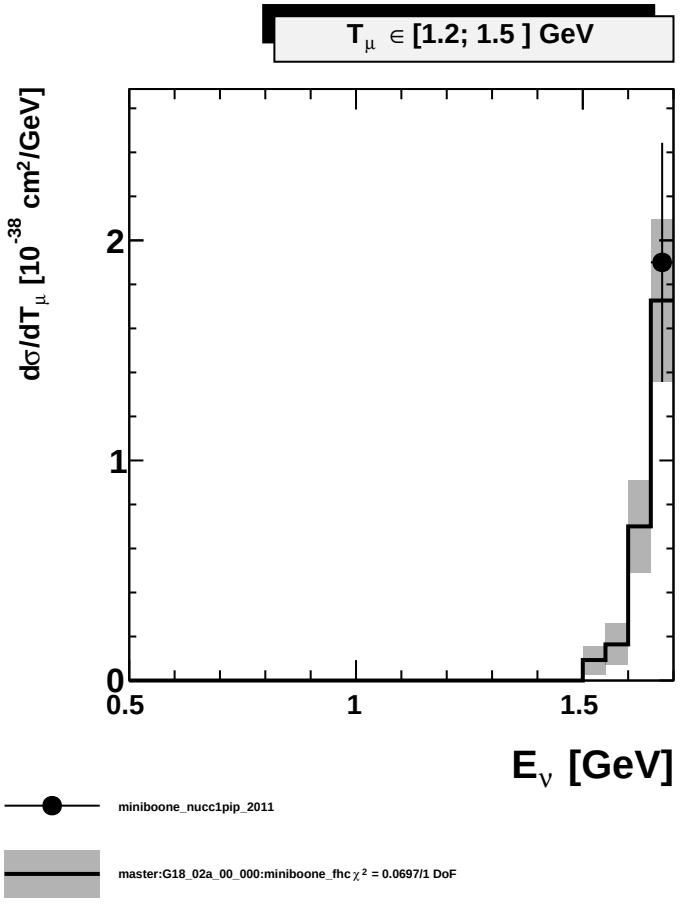

$T_\mu \in [0.85; 0.9]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 13.1/9 DoF

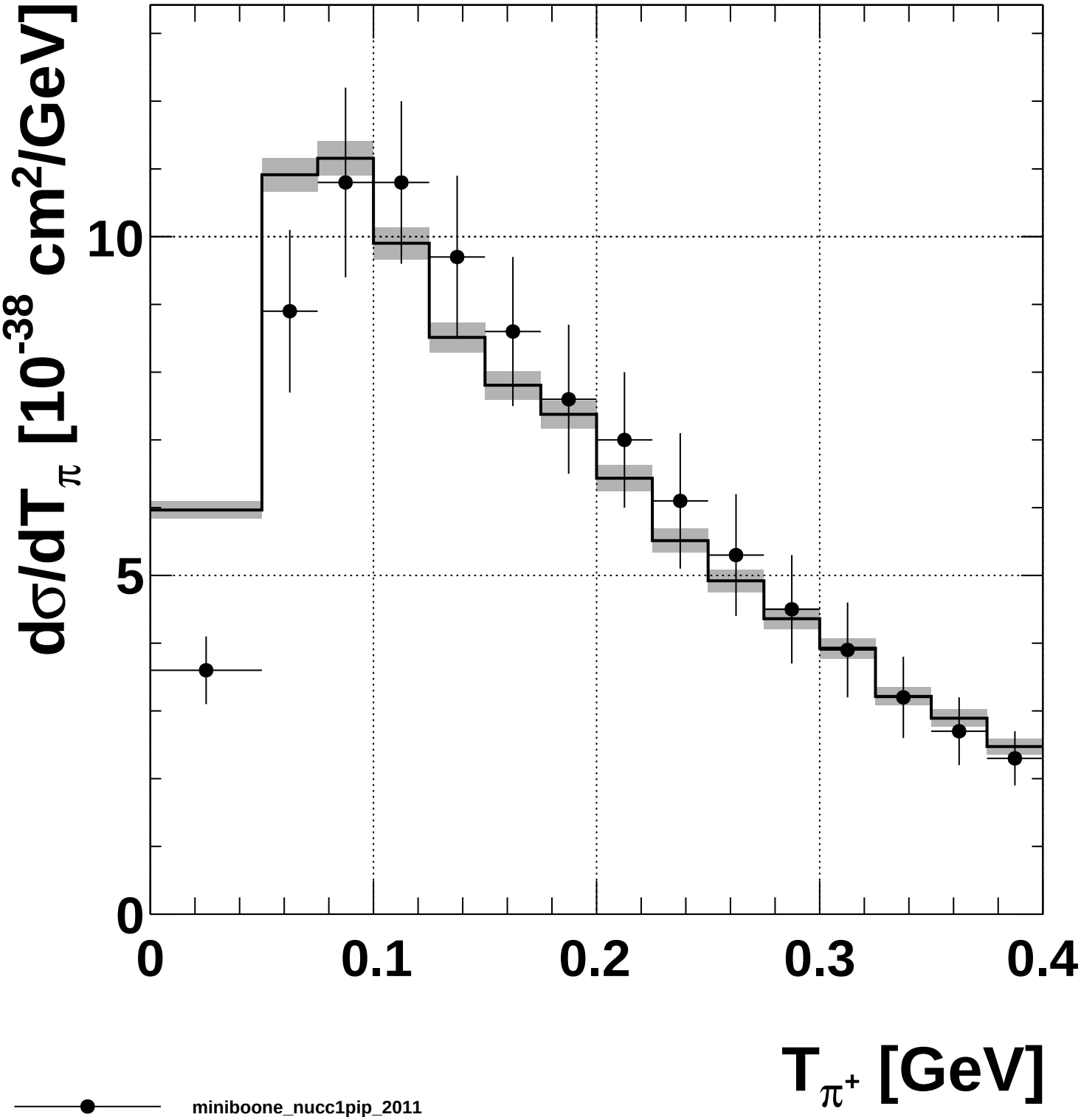

$T_\mu \in [0.9; 0.95]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 6.48/8 DoF

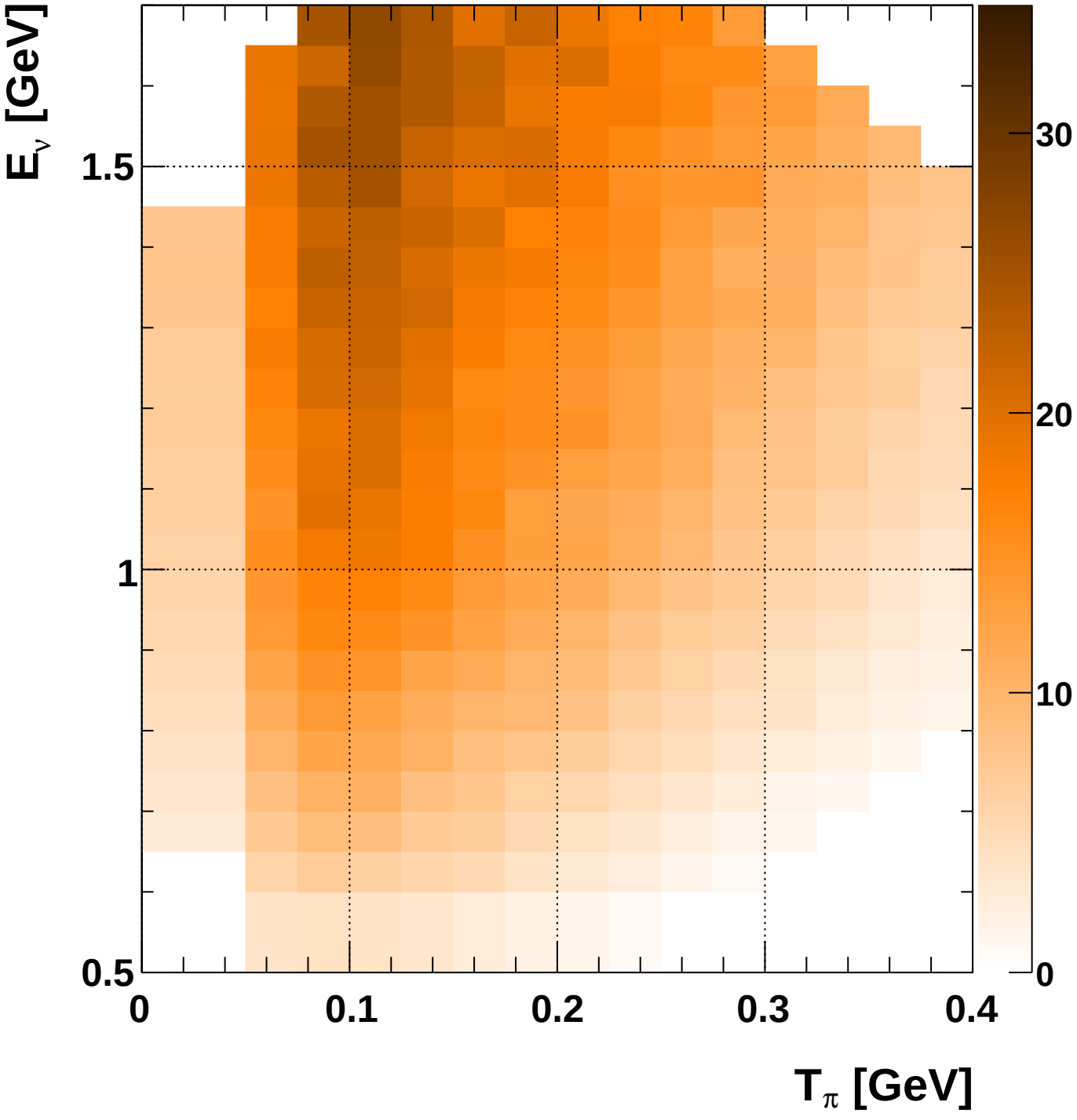

$T_\mu \in [0.95; 1]$ GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 3.43/7 DoF


$T_\mu \in$ [1; 1.1] GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
10
5
0
0.5
1
1.5
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 6.58/6 DoF


$T_\mu \in$ [1.1; 1.2] GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
10
5
0
0.5
1
1.5
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 0.651/3 DoF

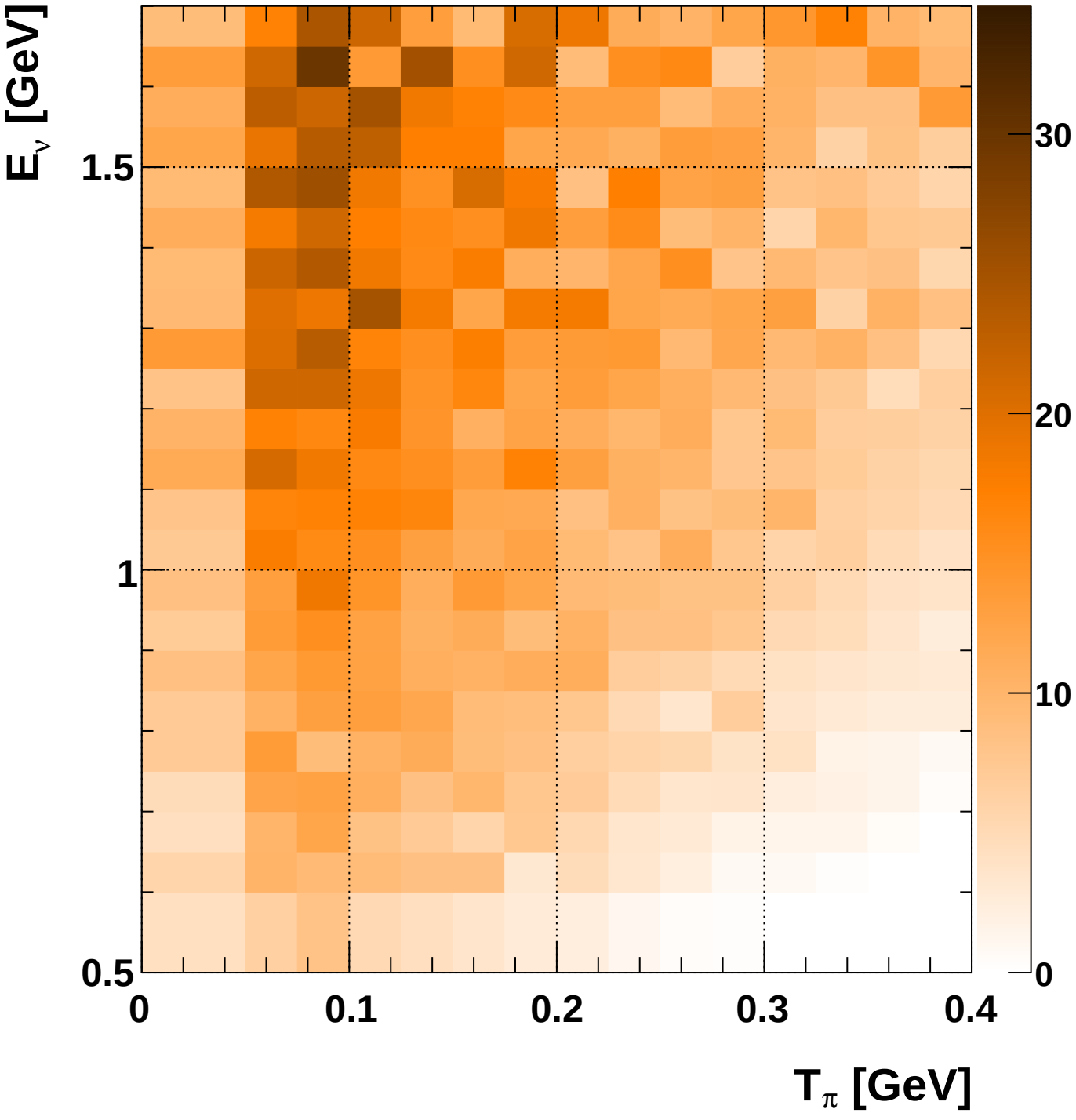

$T_\mu \in$ [1.2; 1.5] GeV
$d\sigma/dT_\mu$ [10^{-38} cm^2/GeV]
2
1
0
0.5
1
1.5
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 0.0697/1 DoF





$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]

Data: miniboone_nucc1pip_2011



dσ/dT$_\pi$ [10^{-38} cm^2/GeV]

Pred: master:G18_02a_00_000:miniboone_fhc

miniboone_nucc1pip_2011

VS

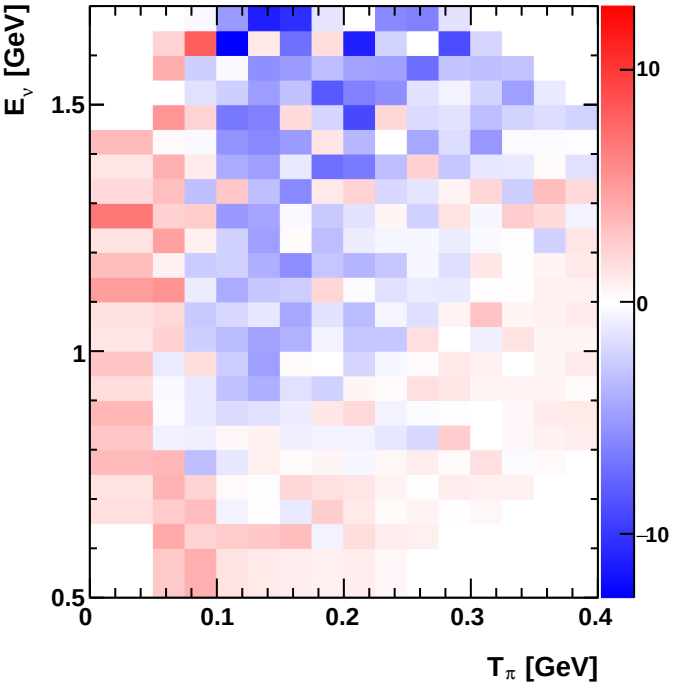
master:G18_02a_00_000:miniboone_fhc

$d\sigma/dT_\pi$

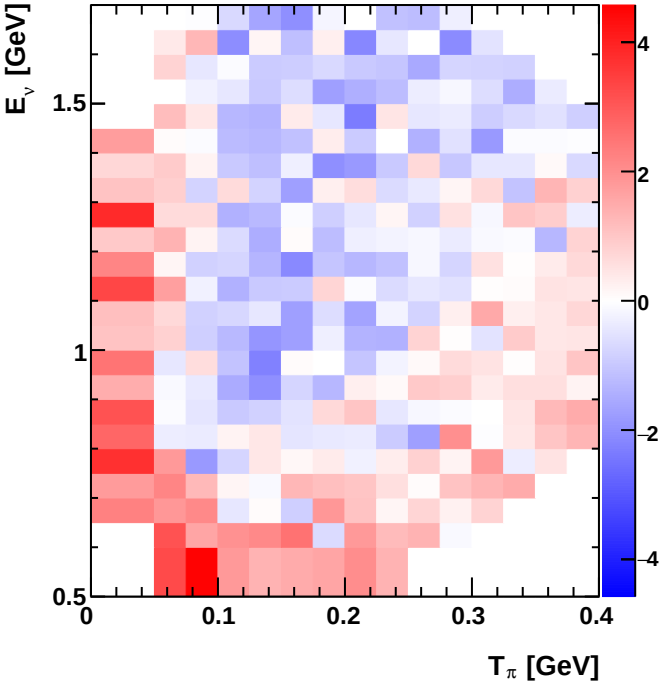
$[10^{-38}\ cm^2/GeV]$

χ^2 = 415.411/311 DoF

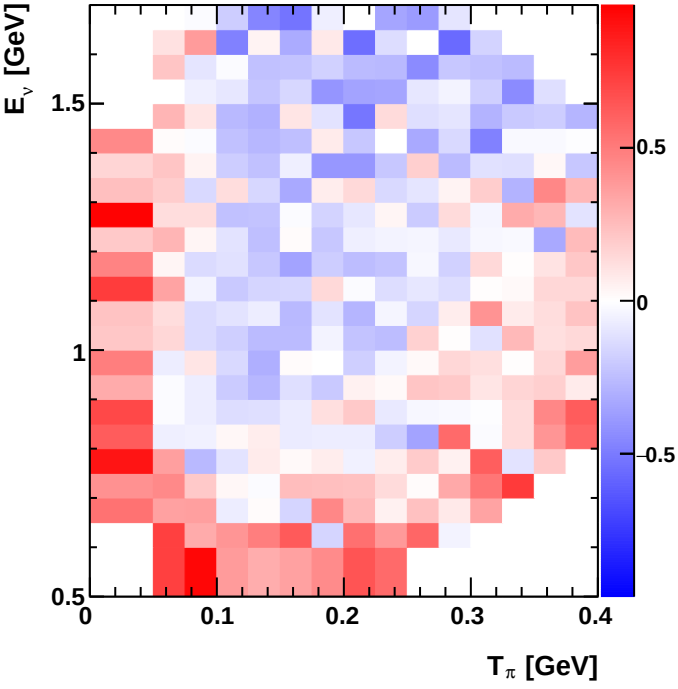
pred - data

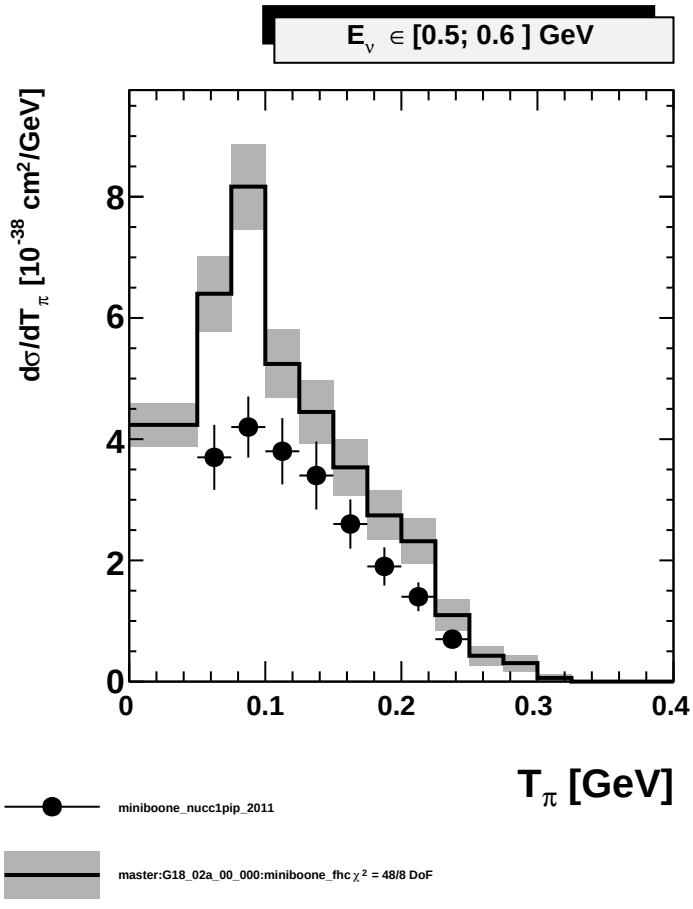


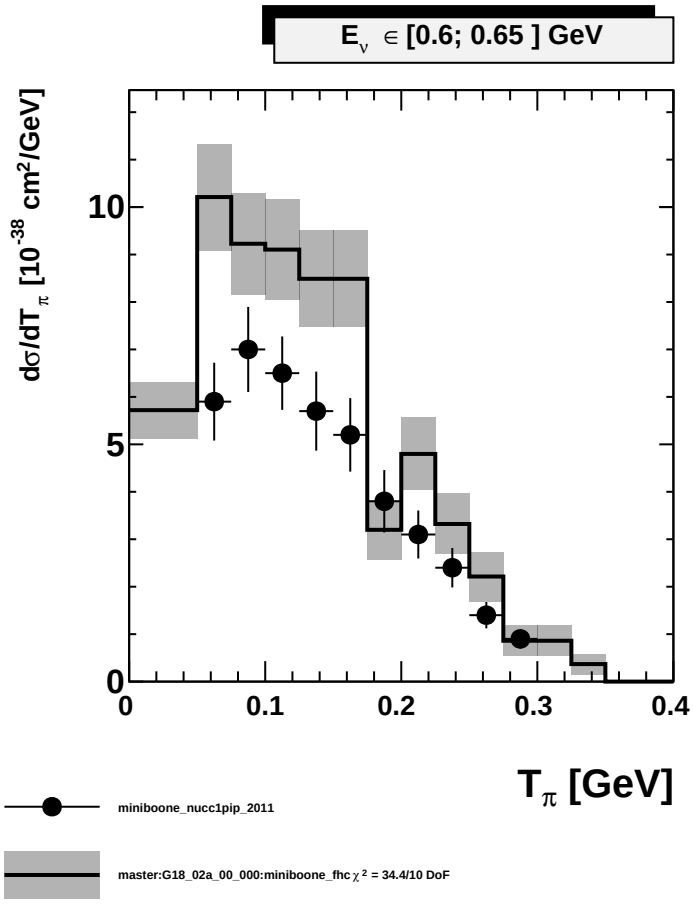
(pred - data)/σ

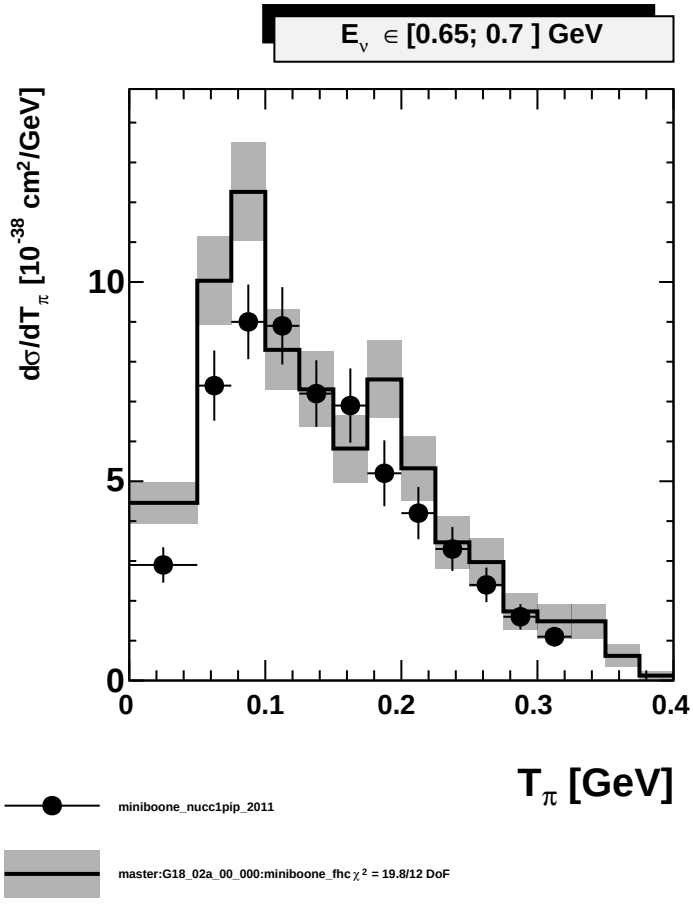


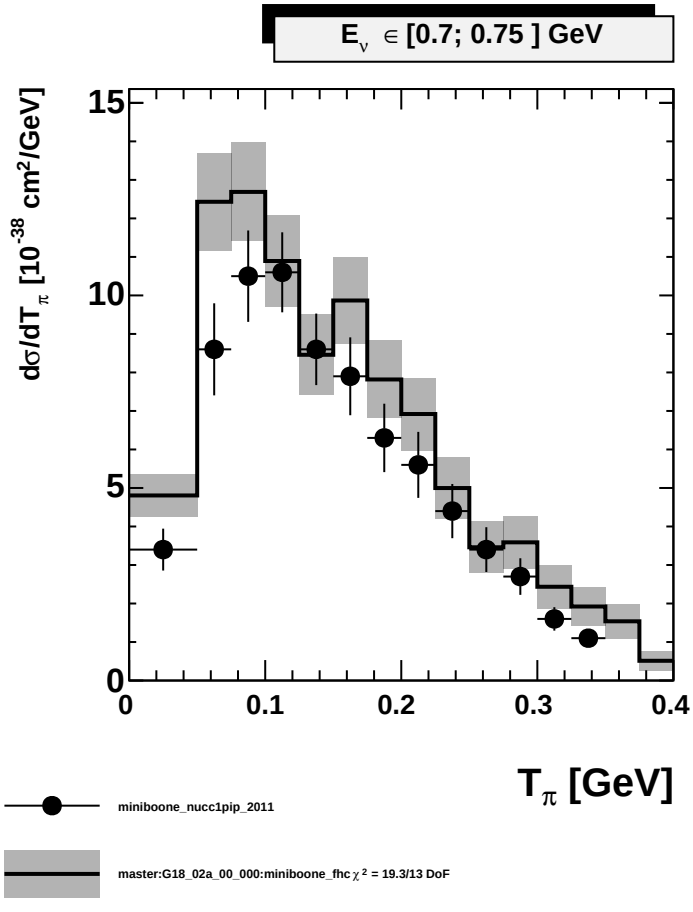
(pred - data) / data

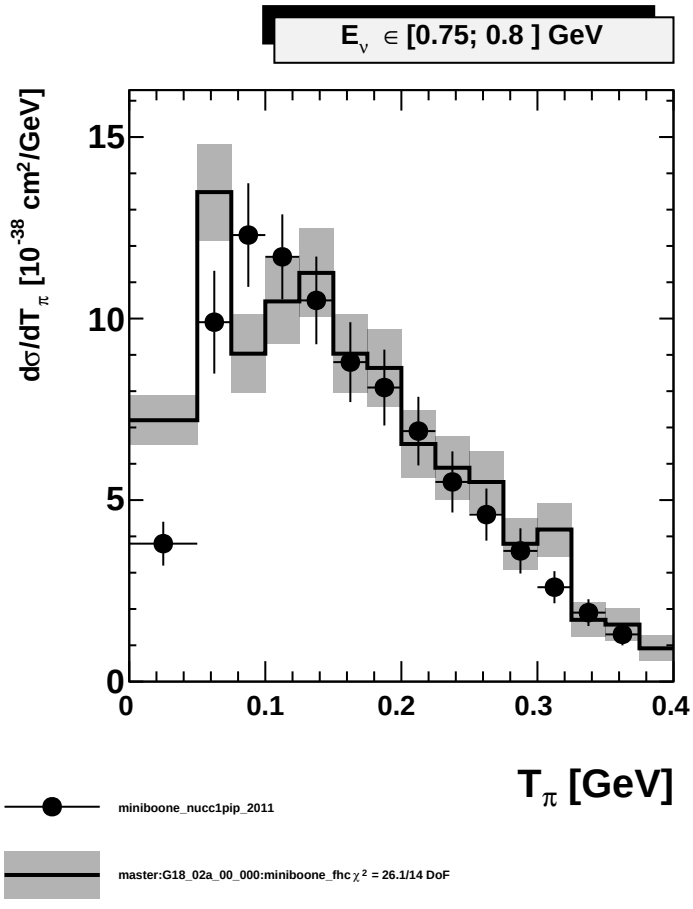


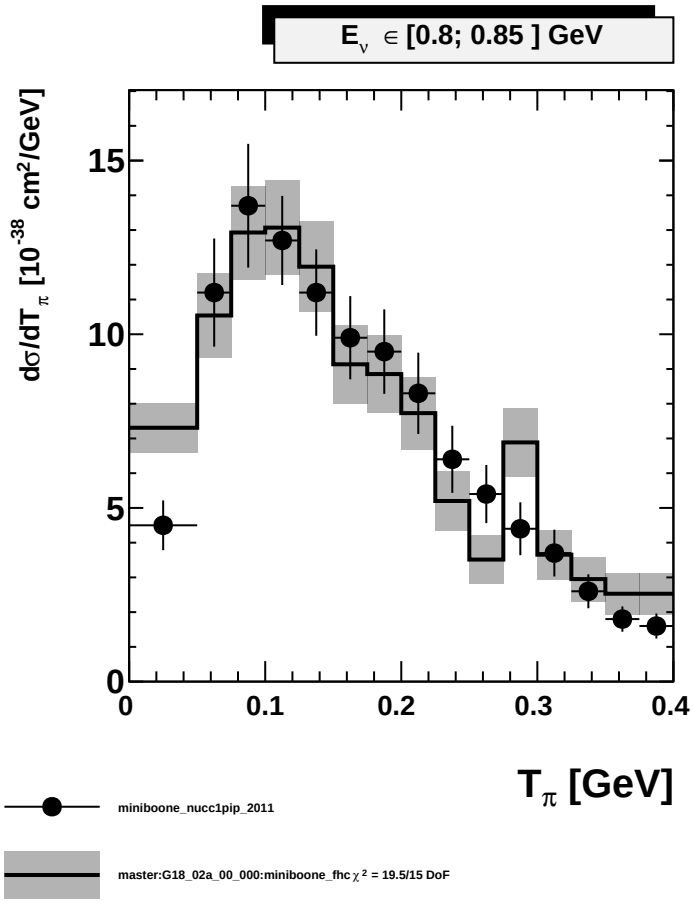

$E_\nu \in [0.5; 0.6]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 48/8 DoF

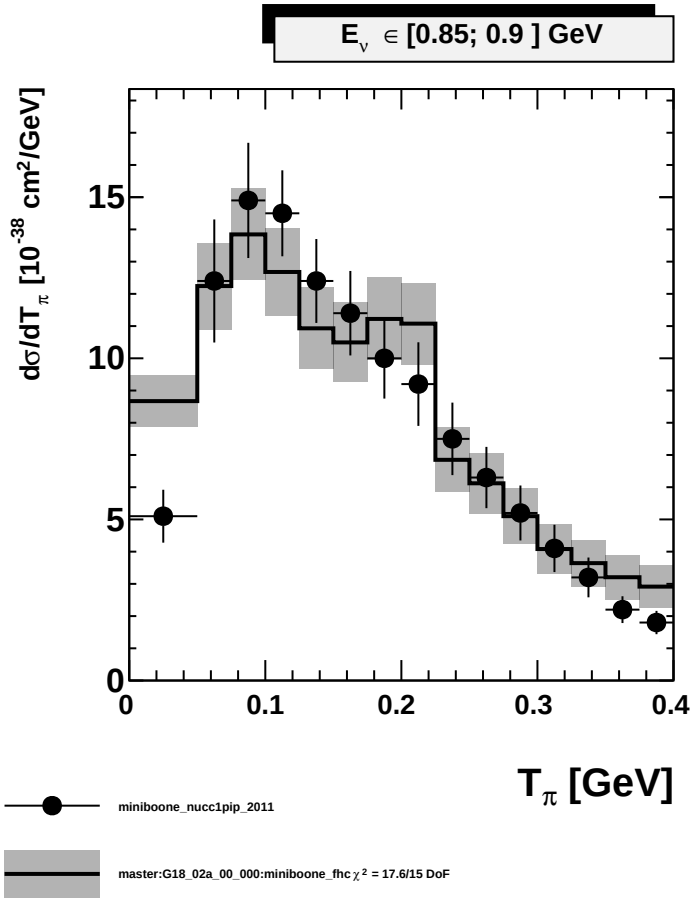

$E_\nu \in [0.6; 0.65]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 34.4/10 DoF

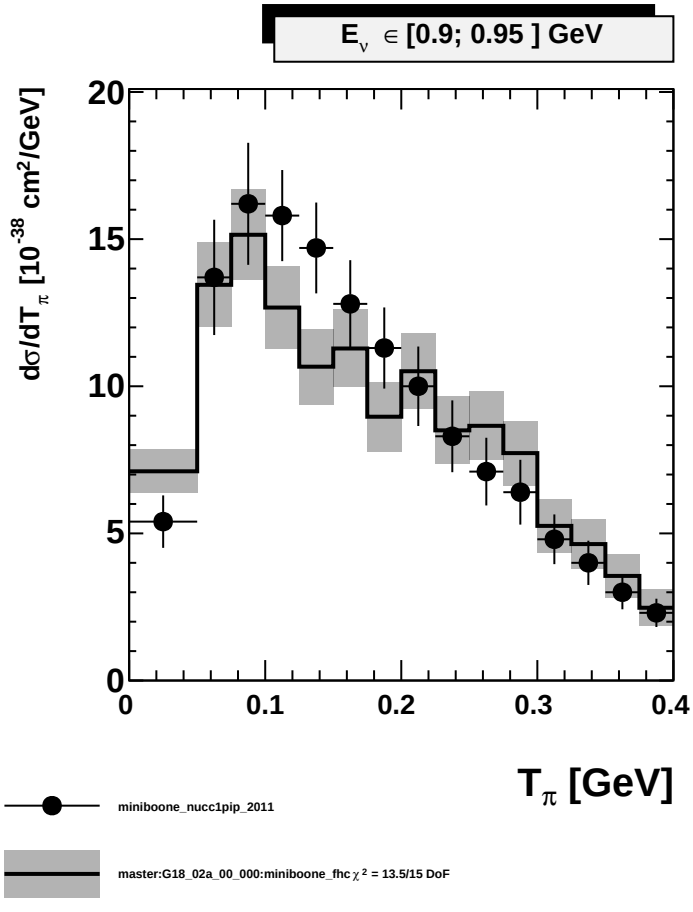

$E_\nu \in [0.65; 0.7]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 19.8/12 DoF

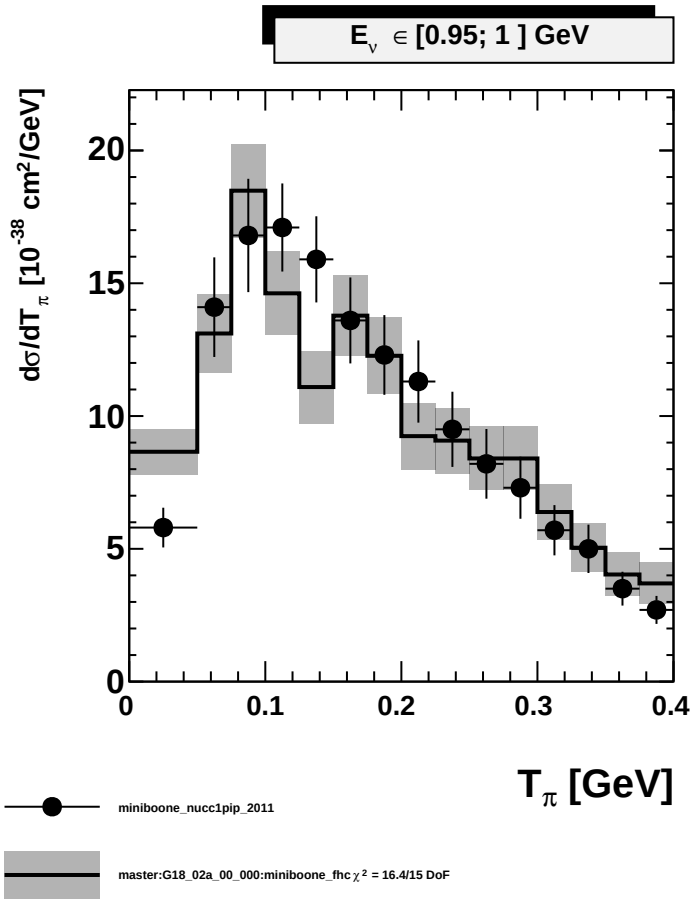

$E_\nu \in [0.7; 0.75]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 19.3/13 DoF

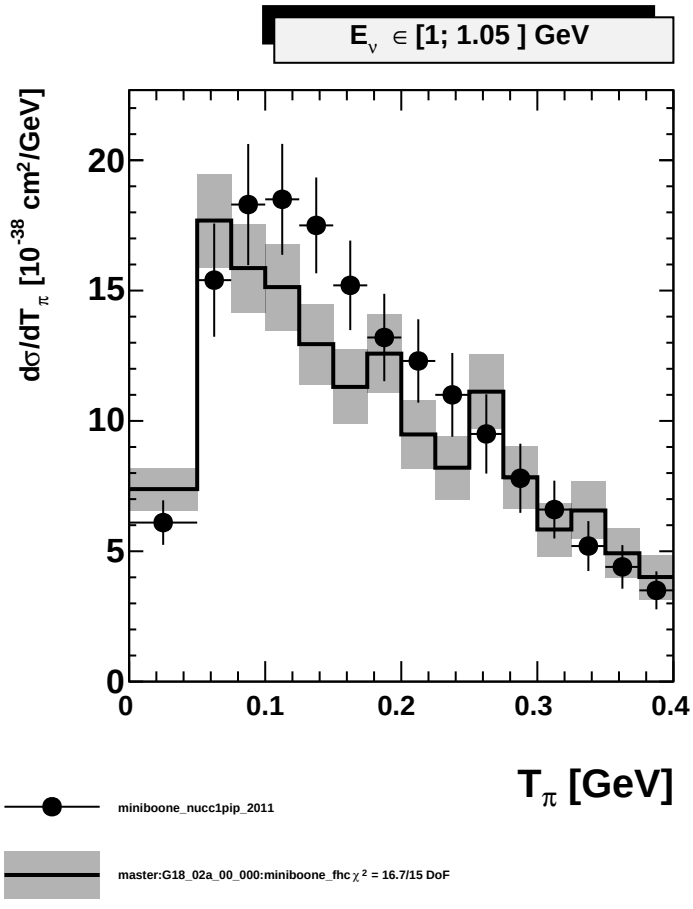

$E_\nu \in [0.75; 0.8]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 26.1/14 DoF

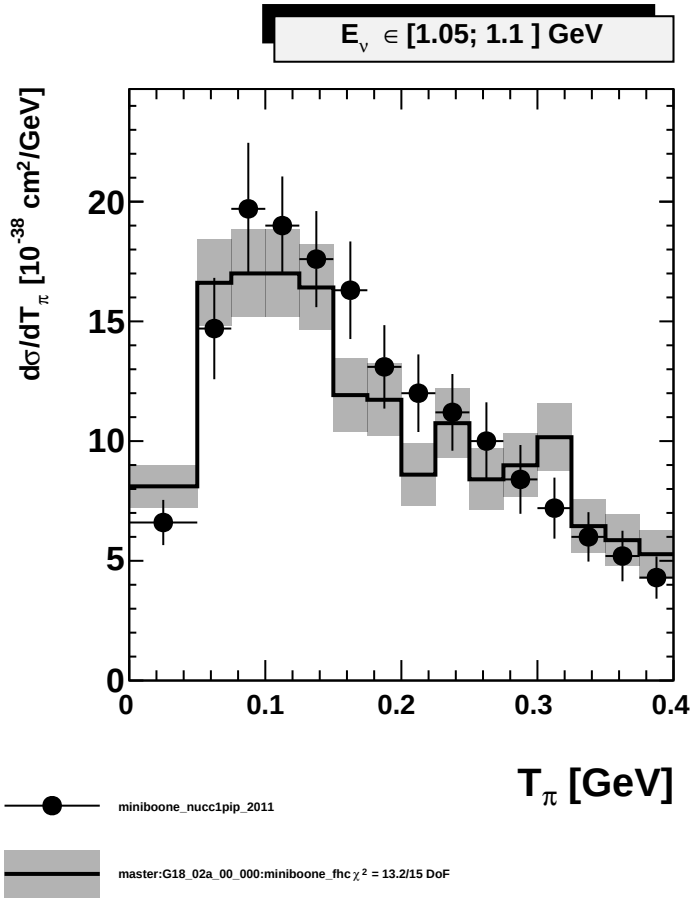

$E_\nu \in [0.8; 0.85]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 19.5/15 DoF

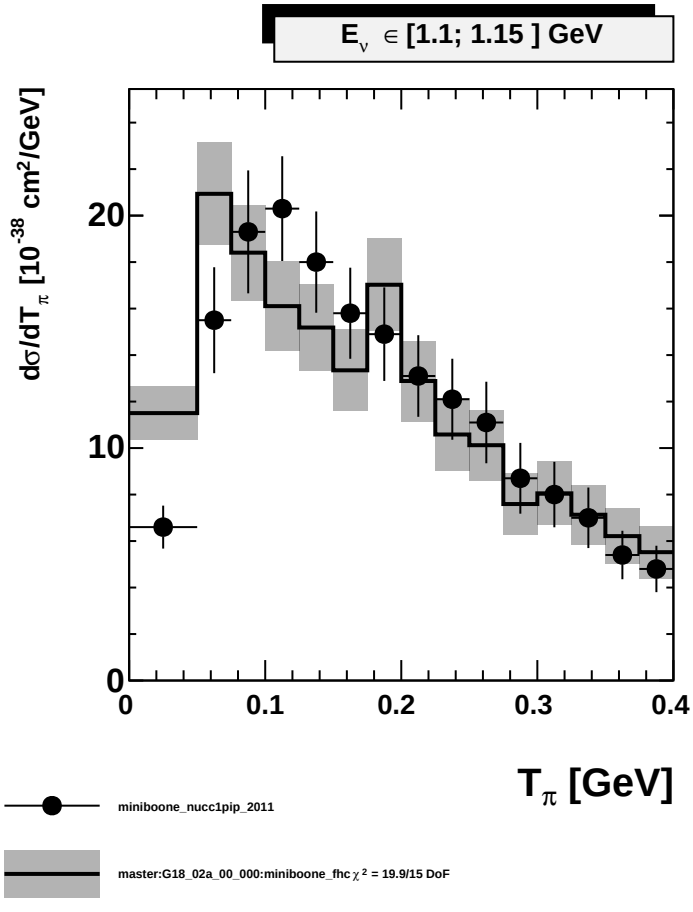

$E_\nu \in [0.85; 0.9]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 17.6/15 DoF

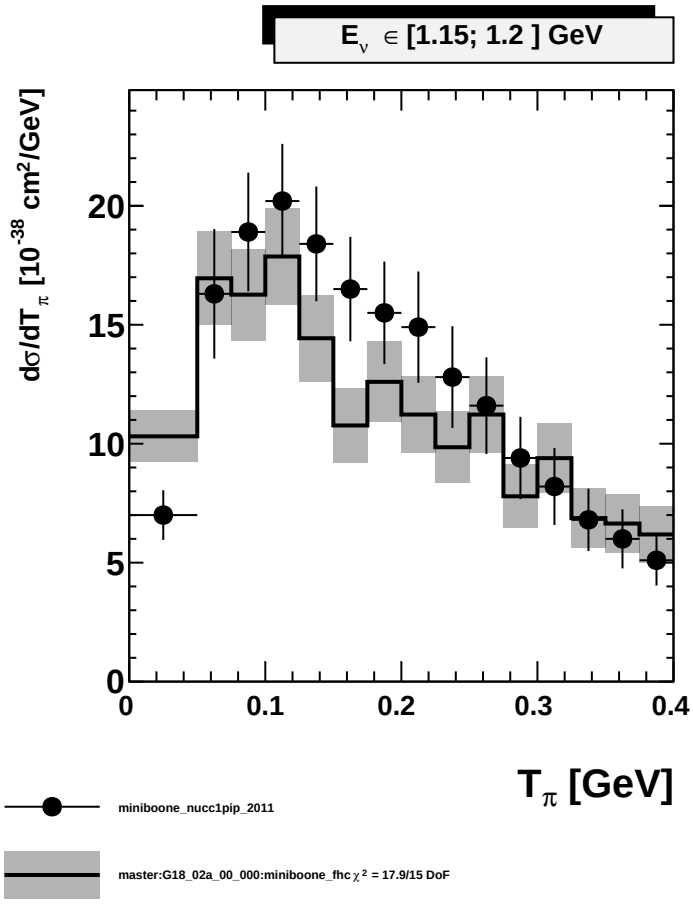

$E_\nu \in [0.9; 0.95]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 13.5/15 DoF

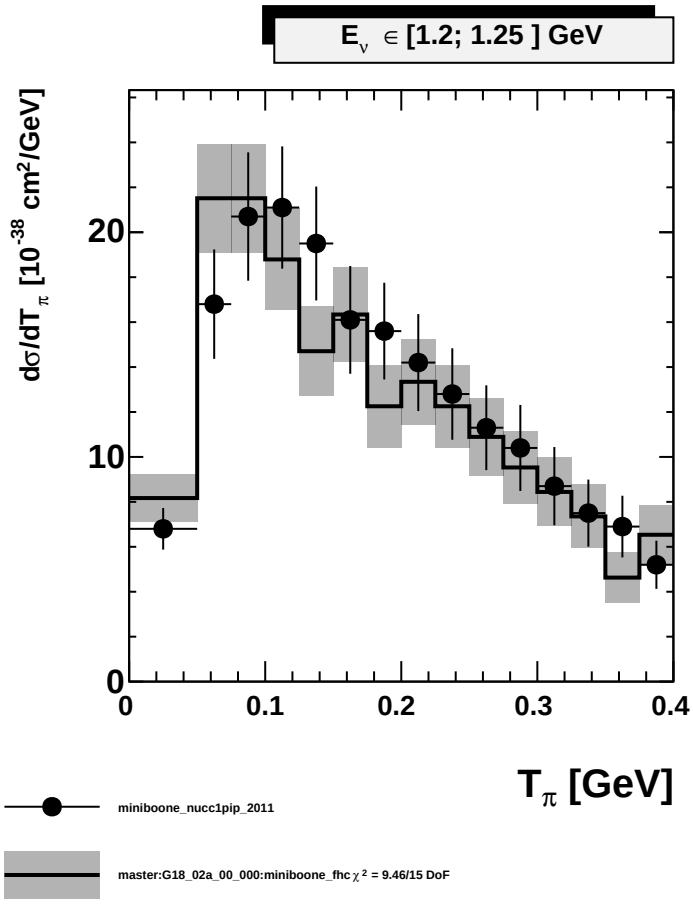

$E_\nu \in [0.95; 1]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 16.4/15 DoF

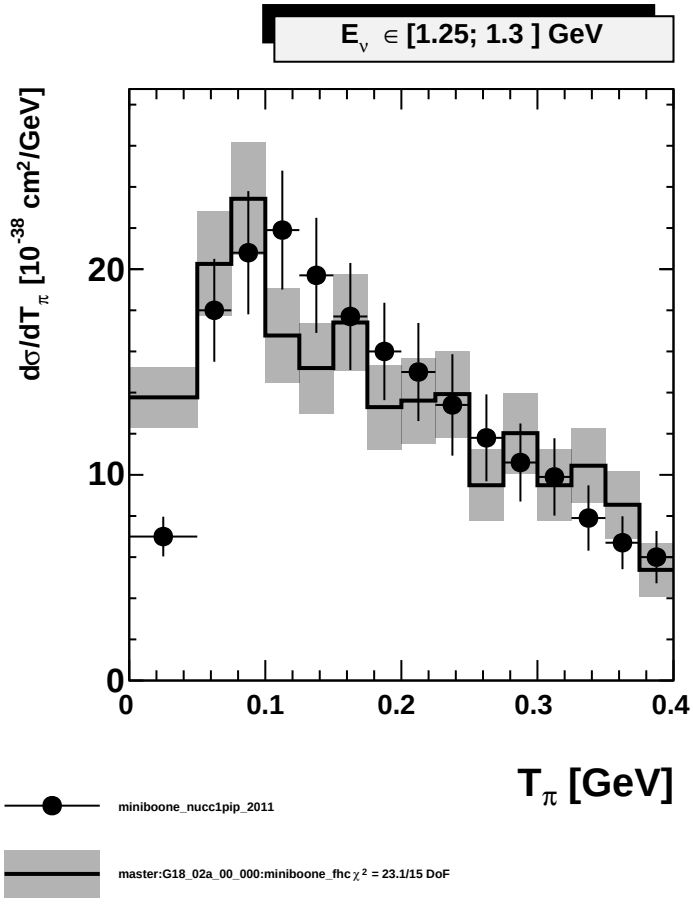

$E_\nu \in [1; 1.05]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 16.7/15 DoF

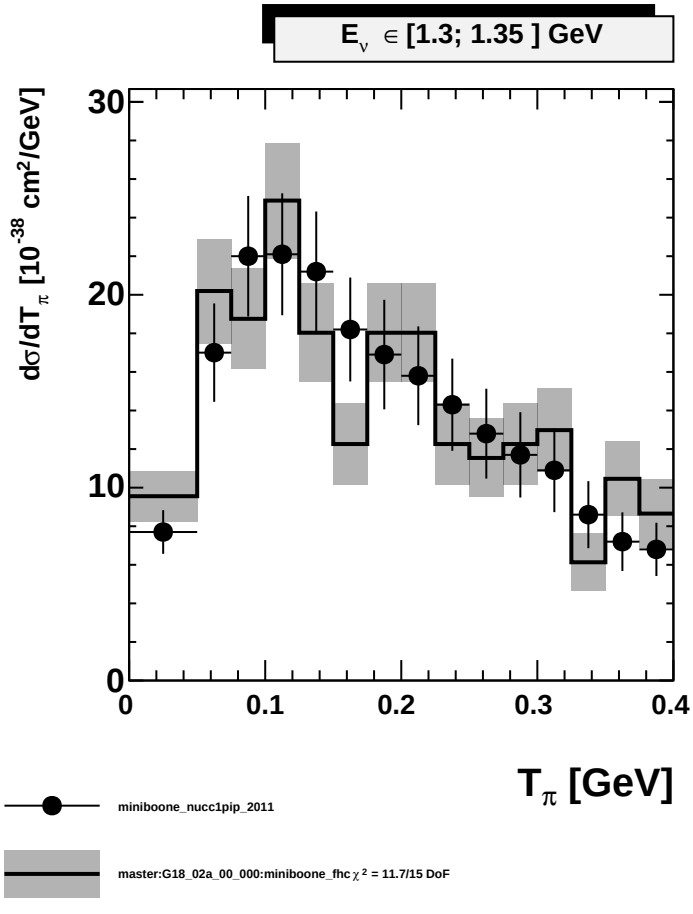

$E_\nu \in [1.05; 1.1]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 13.2/15 DoF

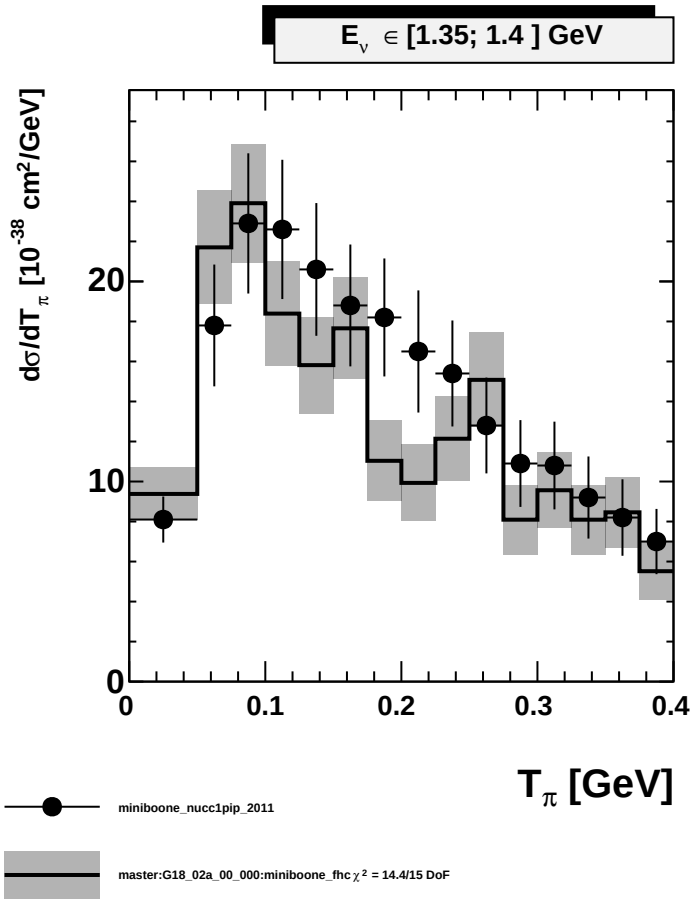

$E_\nu \in [1.1; 1.15]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 19.9/15 DoF

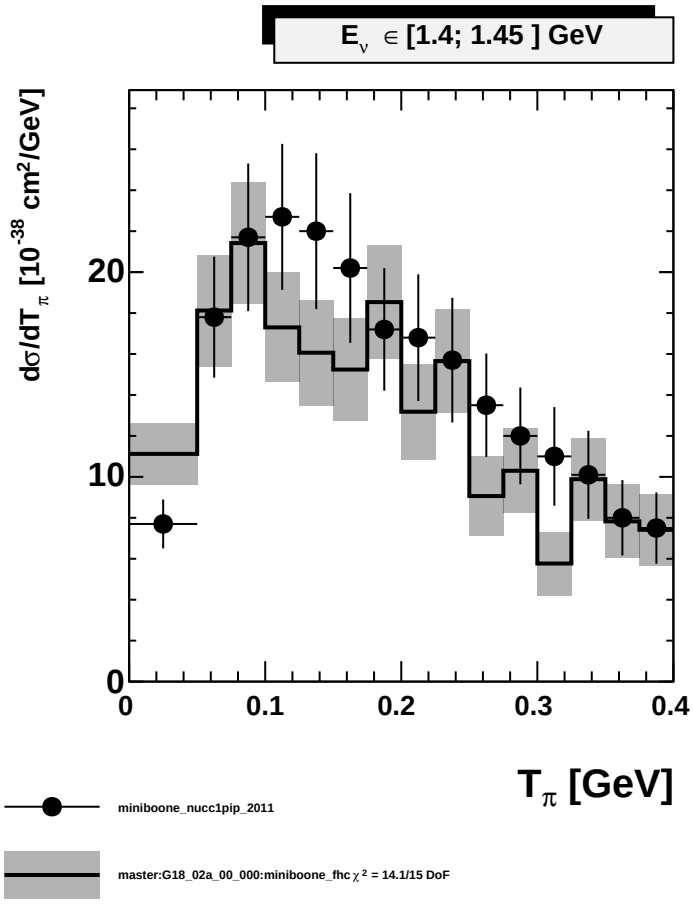

$E_\nu \in [1.15; 1.2]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 17.9/15 DoF

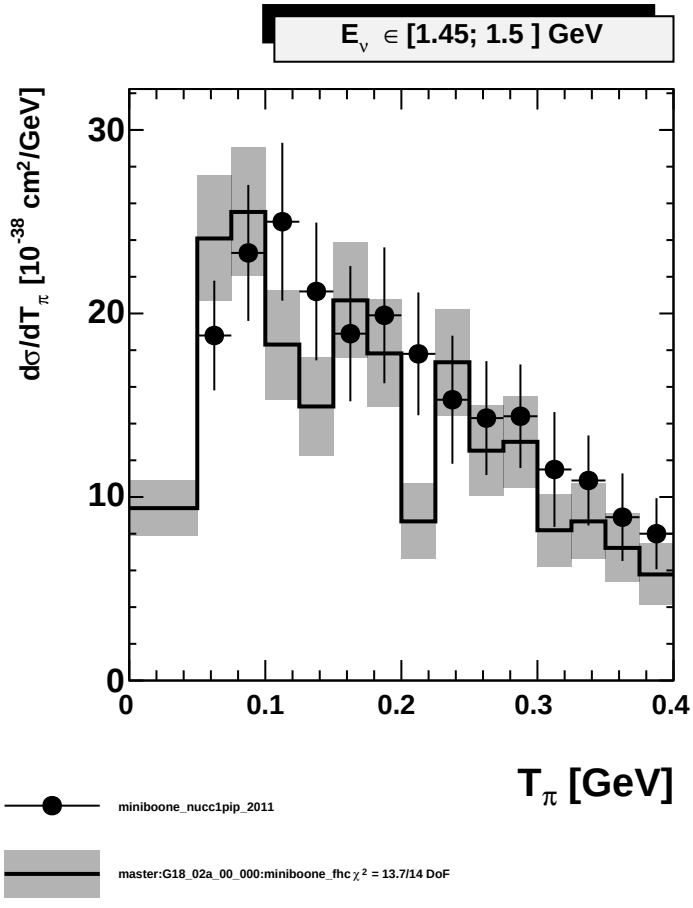

$E_\nu \in [1.2; 1.25]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 9.46/15 DoF

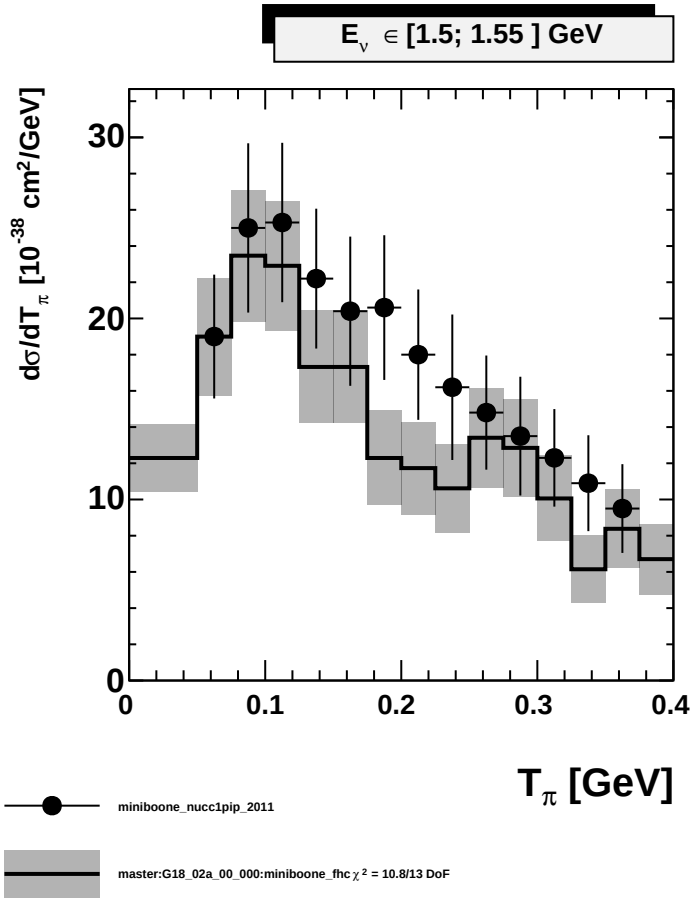

$E_\nu \in [1.25; 1.3]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 23.1/15 DoF

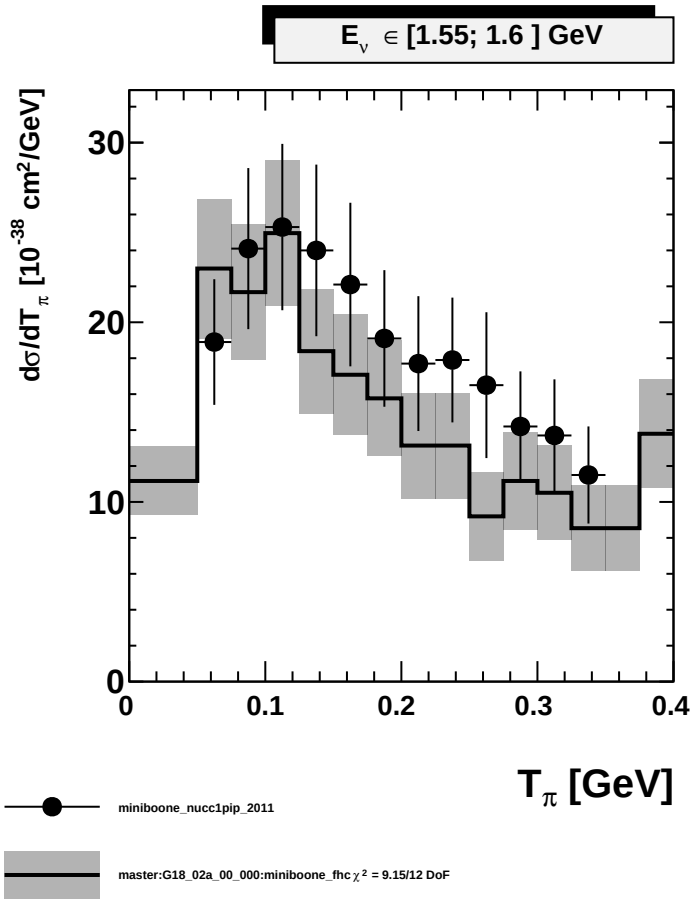

$E_\nu \in [1.3; 1.35]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 11.7/15 DoF

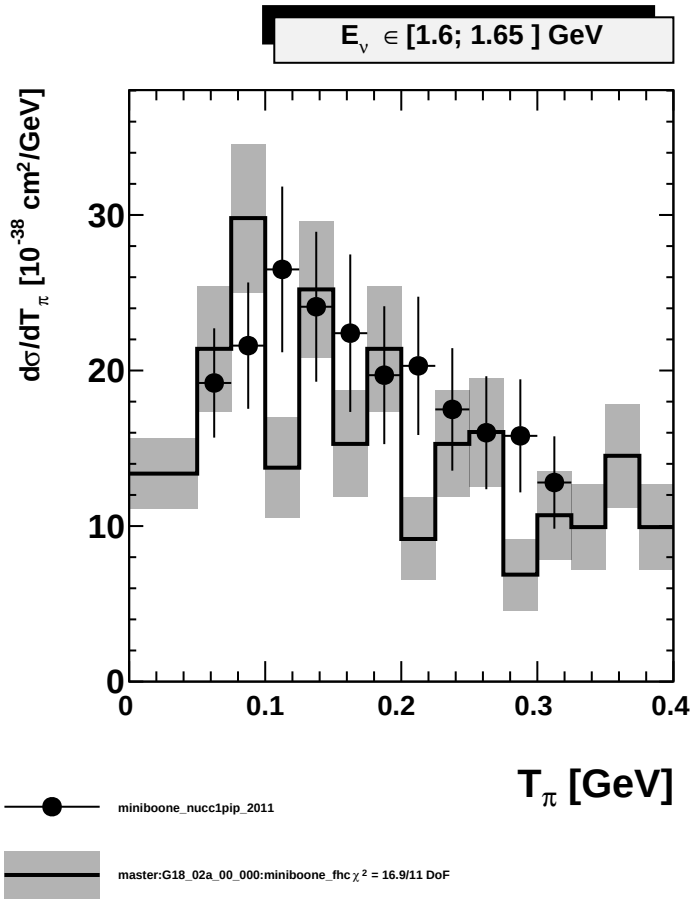

$E_\nu \in [1.35; 1.4]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 14.4/15 DoF

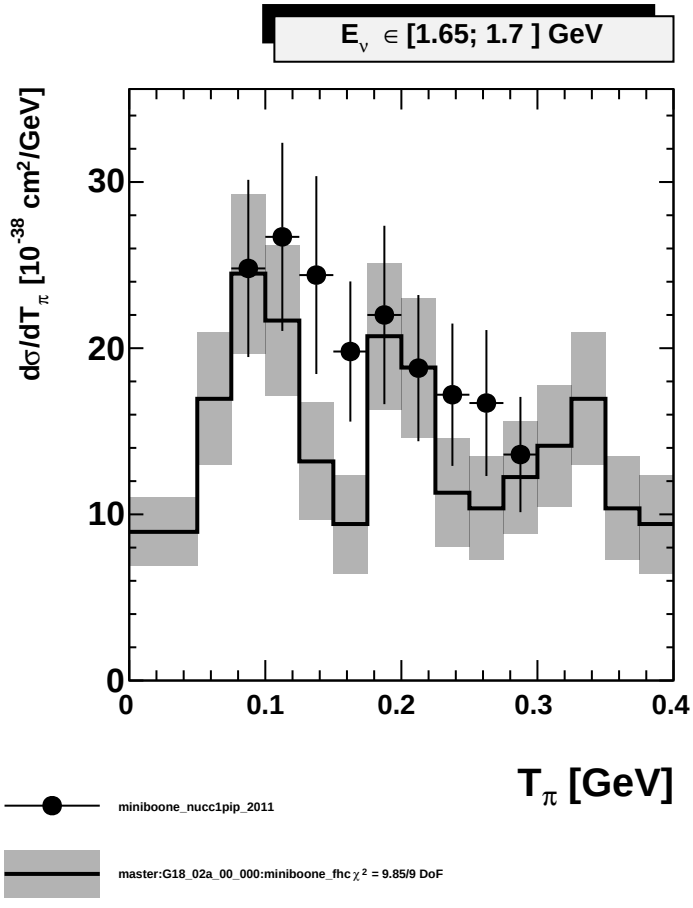

$E_\nu \in [1.4; 1.45]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 14.1/15 DoF

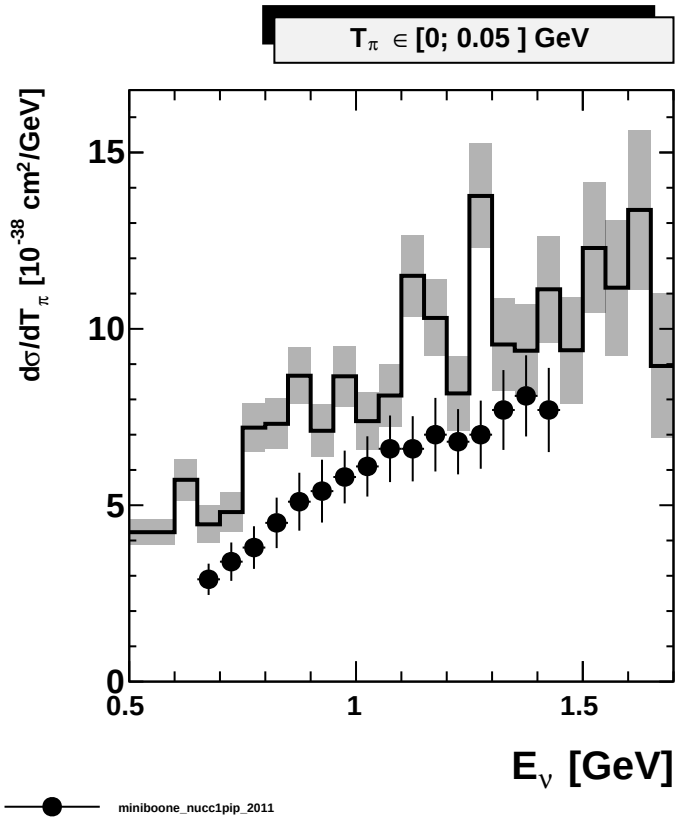

$E_\nu \in [1.45; 1.5]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 13.7/14 DoF

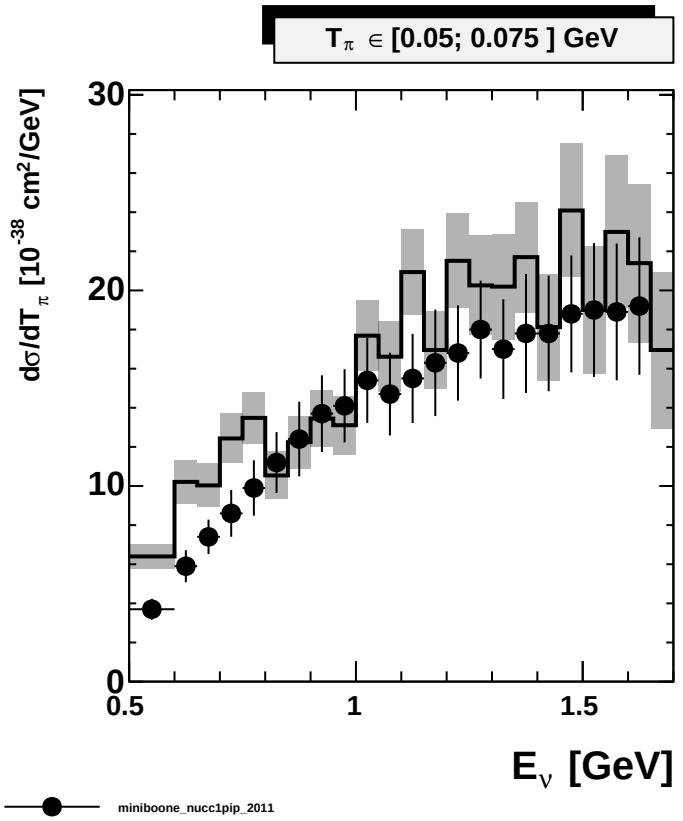

$E_\nu \in [1.5; 1.55]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 10.8/13 DoF

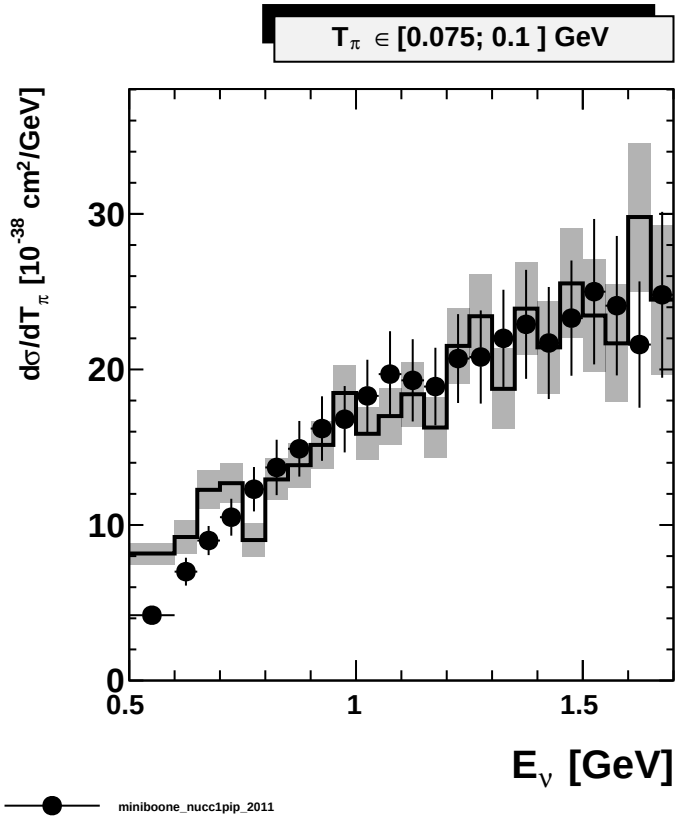

$E_\nu \in [1.55; 1.6]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 9.15/12 DoF

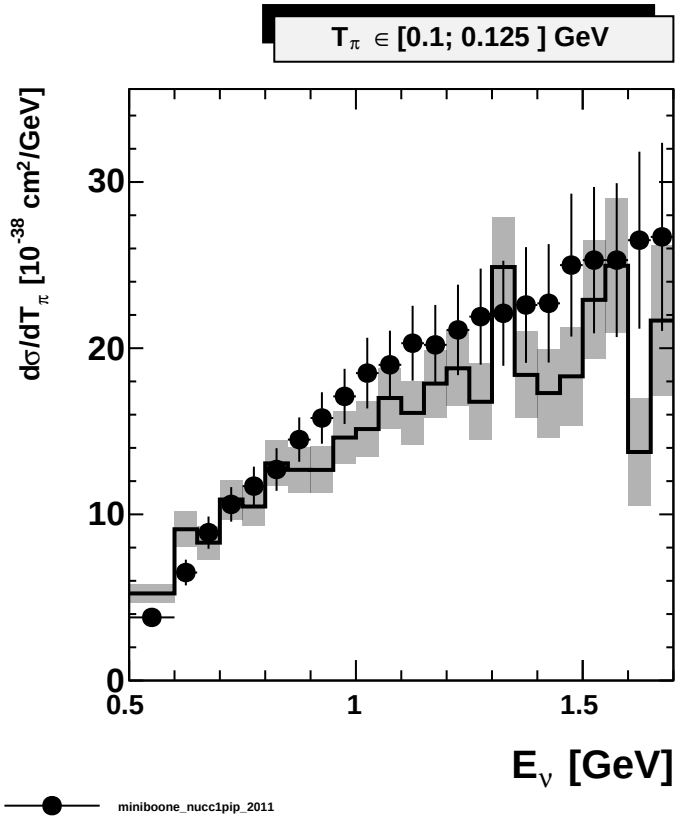

$E_\nu \in [1.6; 1.65]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 16.9/11 DoF

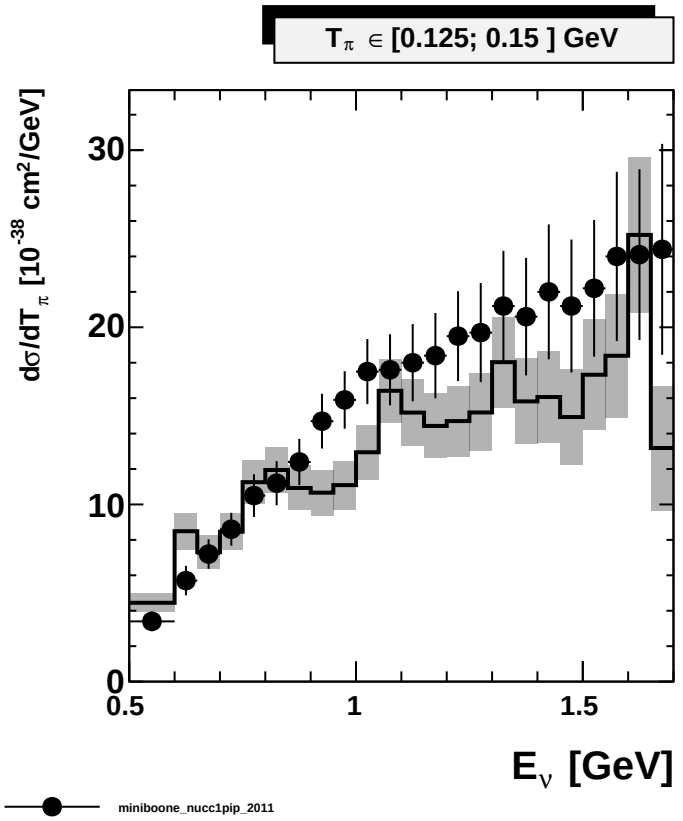

$E_\nu \in [1.65; 1.7]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
T_π [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 9.85/9 DoF

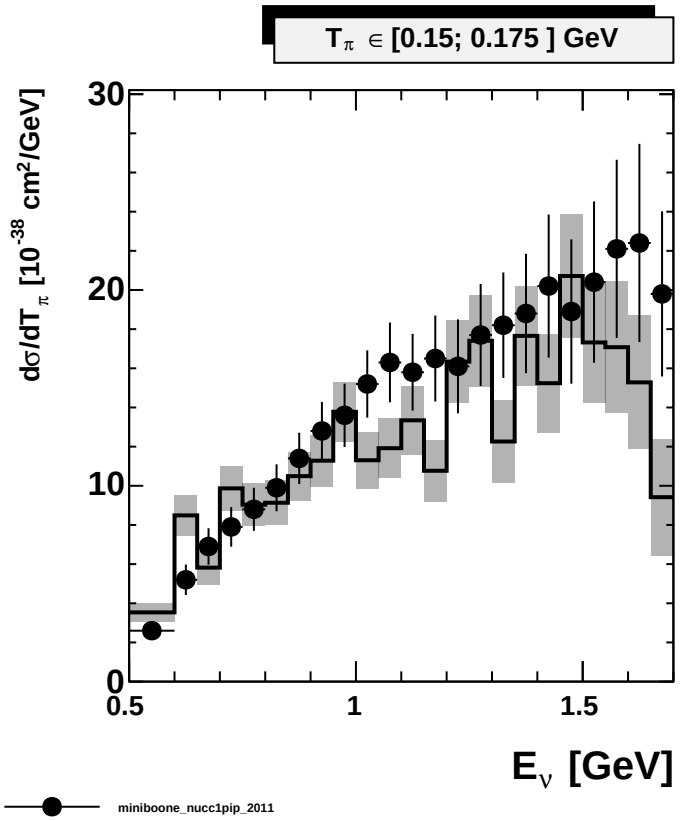

$T_\pi \in$ [0; 0.05] GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 87.1/16 DoF

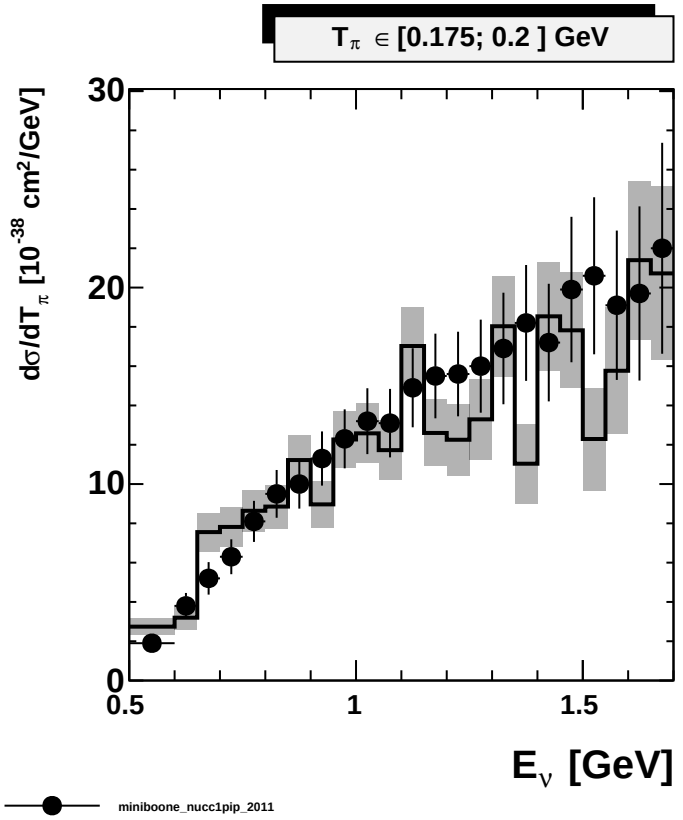

$T_\pi \in$ [0.05; 0.075] GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 42.6/22 DoF

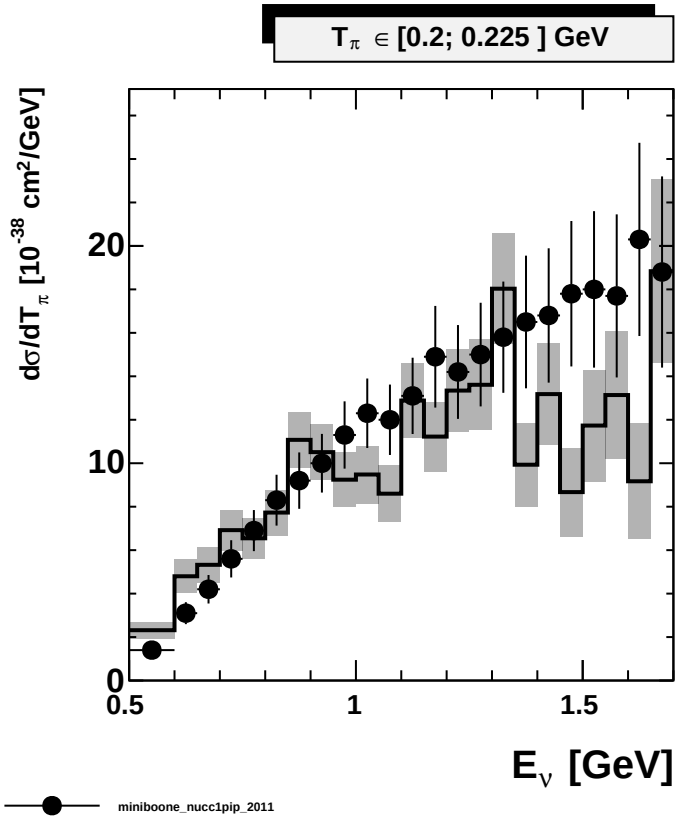

$T_\pi \in$ [0.075; 0.1] GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 39.1/23 DoF

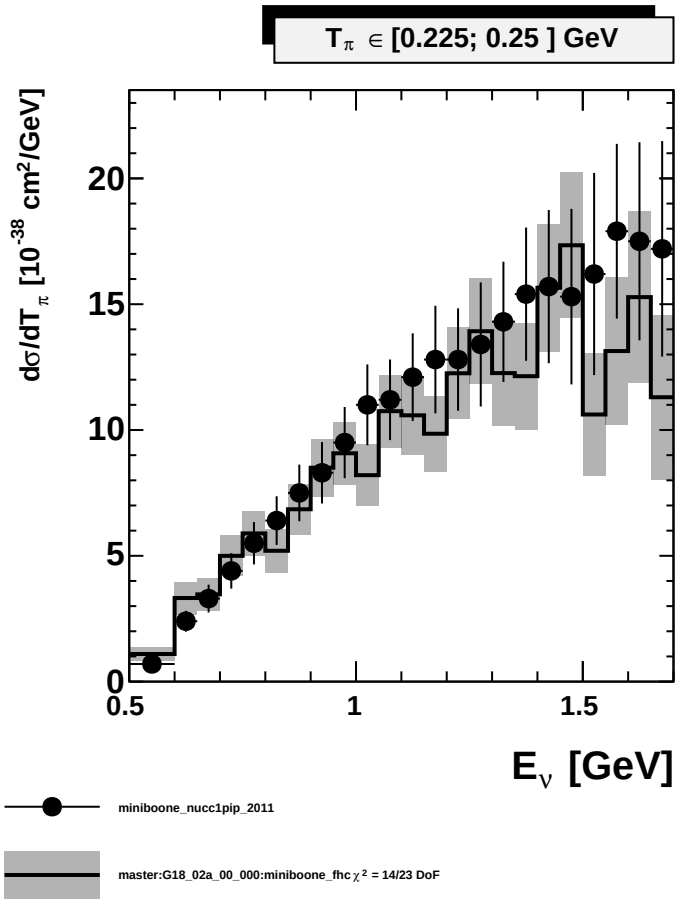

$T_\pi \in$ [0.1; 0.125] GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 28.7/23 DoF

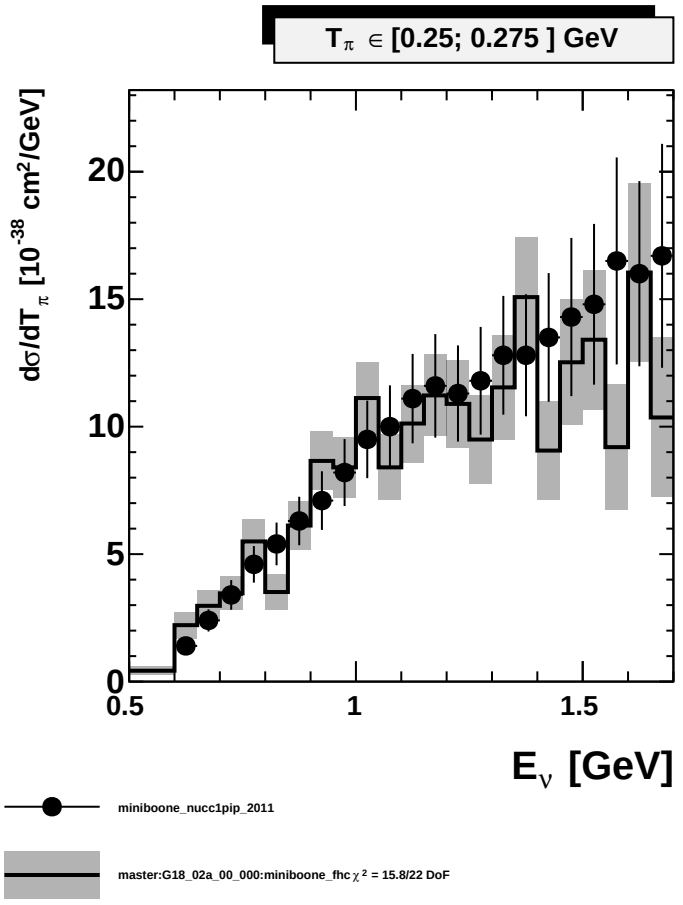

$T_\pi \in [0.125; 0.15]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 36.9/23 DoF

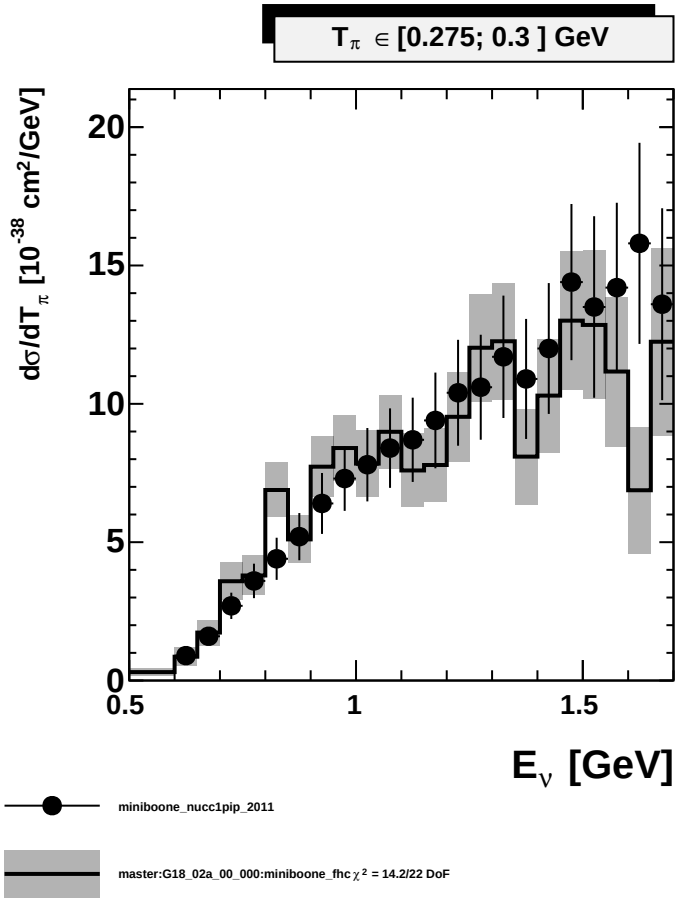

$T_\pi \in [0.15; 0.175]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 34.8/23 DoF

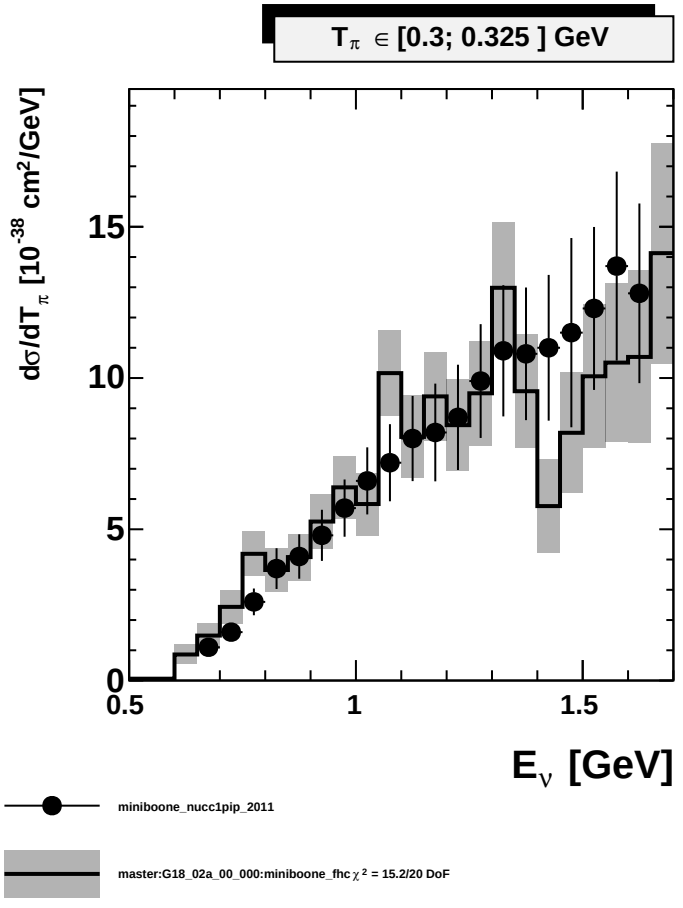

$T_\pi \in [0.175; 0.2]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 22.5/23 DoF

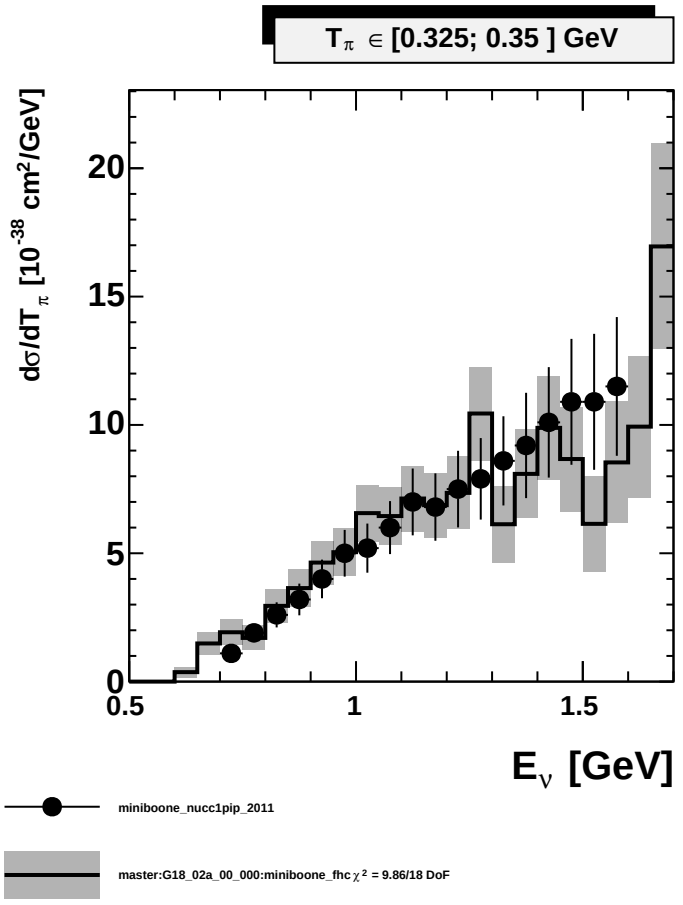

$T_\pi \in [0.2; 0.225]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 36.4/23 DoF

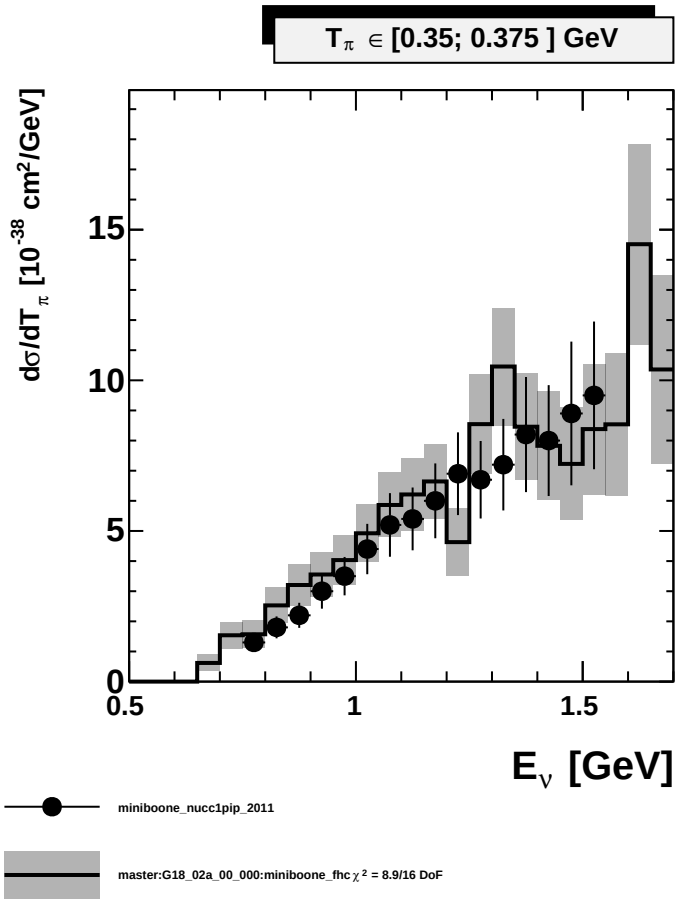

$T_\pi \in [0.225; 0.25]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 14/23 DoF

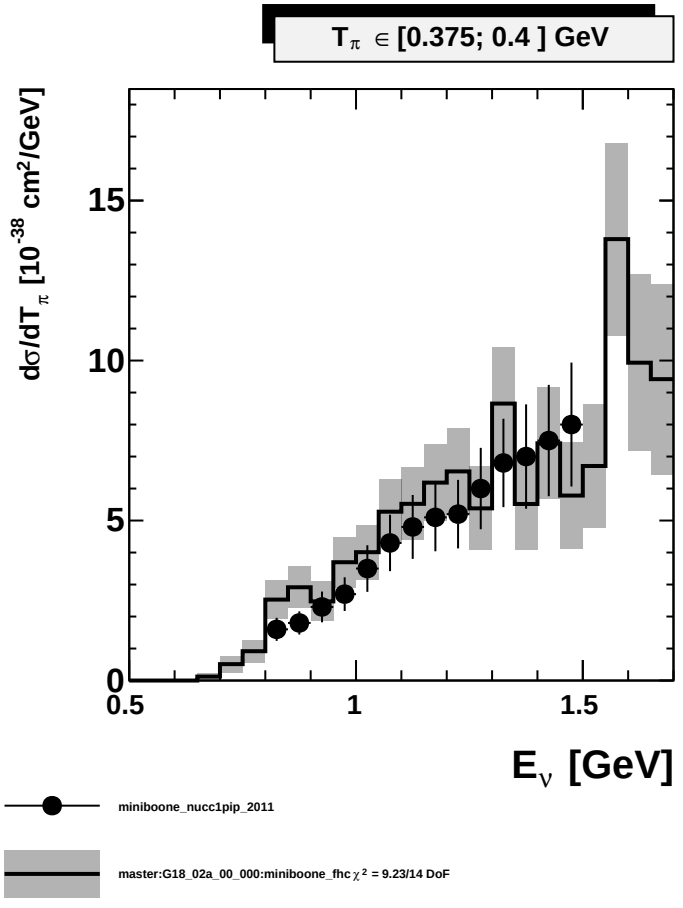

$T_\pi \in [0.25; 0.275]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 15.8/22 DoF


$T_\pi \in [0.275; 0.3]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 14.2/22 DoF


$T_\pi \in [0.3; 0.325]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 15.2/20 DoF


$T_\pi \in [0.325; 0.35]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 9.86/18 DoF


$T_\pi \in [0.35; 0.375]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 8.9/16 DoF


$T_\pi \in [0.375; 0.4]$ GeV
$d\sigma/dT_\pi$ [10^{-38} cm^2/GeV]
E_ν [GeV]
miniboone_nucc1pip_2011
master:G18_02a_00_000:miniboone_fhc χ^2 = 9.23/14 DoF

Dataset:

miniboone_nubarccqe_2013

Model:

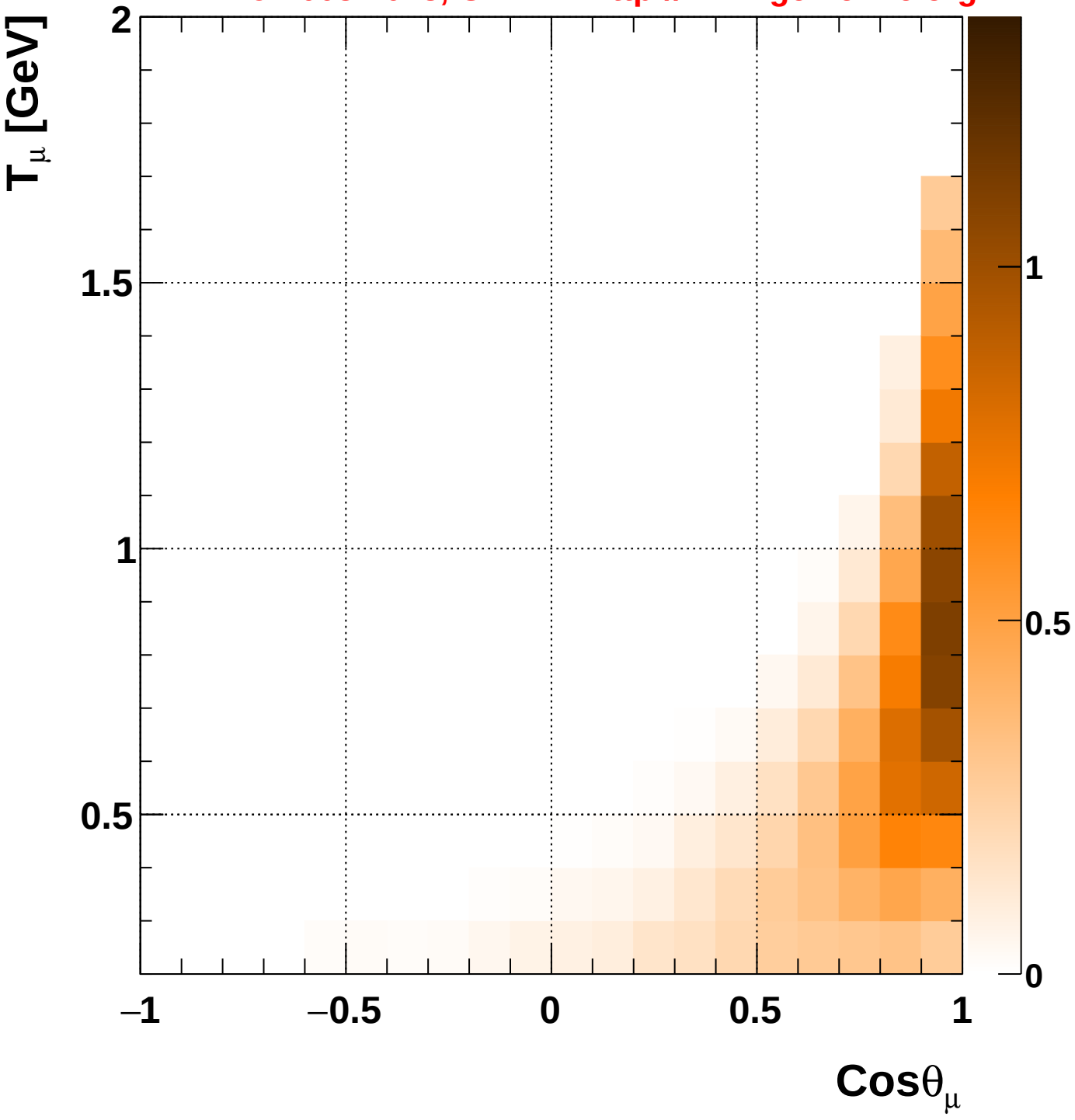
master/G18_02a_00_000 χ^2 **= 63.9 / 78 DoF**

Plot:

$\partial^2\sigma(\overline{\nu}_\mu$ **CC** $0\pi)/\partial$ **Cos**θ_μ/∂ T_μ

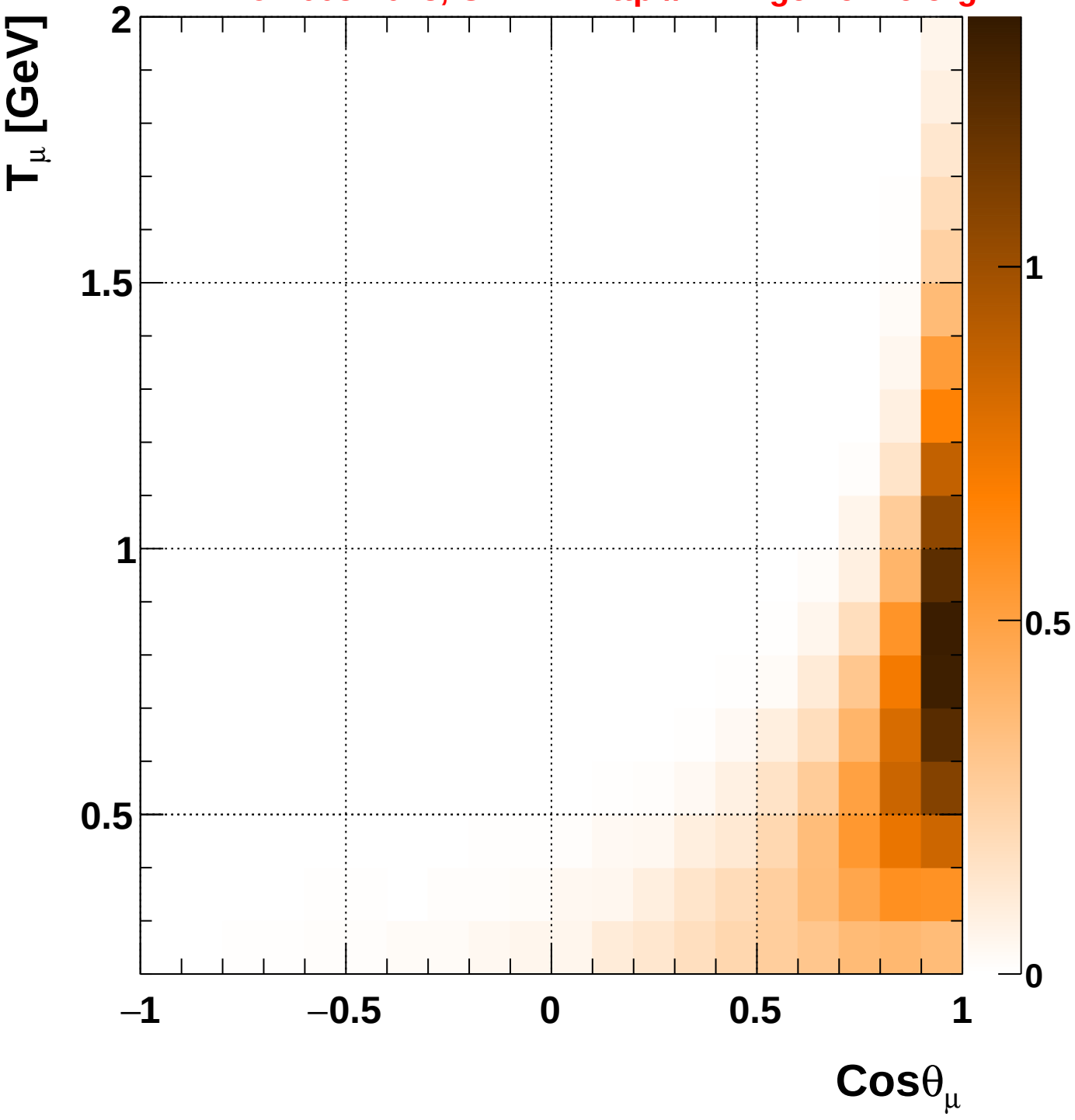
78 DoF, χ^2 **= 63.9**

2018/10/15 09:40:43



$\partial^2\sigma(\overline{\nu}_\mu$ CC $0\pi)/\partial\ \text{Cos}\theta_\mu/\partial\ T_\mu$ [10^{-38} cm^2/GeV/n]

Data: miniboone_nubarccqe_2013



$\partial^2\sigma(\overline{\nu}_\mu$ CC $0\pi)/\partial$ Cosθ_μ/∂ T_μ [10^{-38} cm^2/GeV/n]

Pred: master:G18_02a_00_000:miniboone_rhc

miniboone_nubarccqe_2013

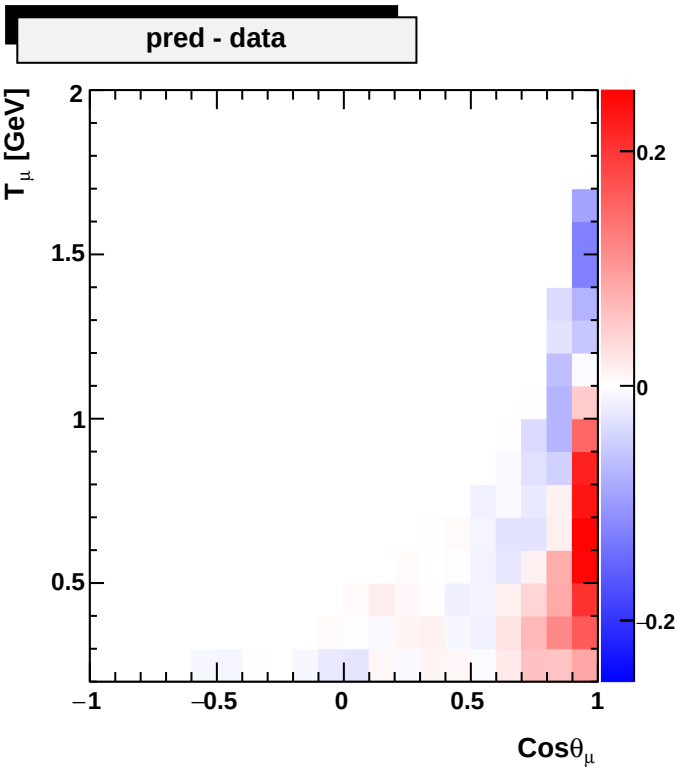
VS

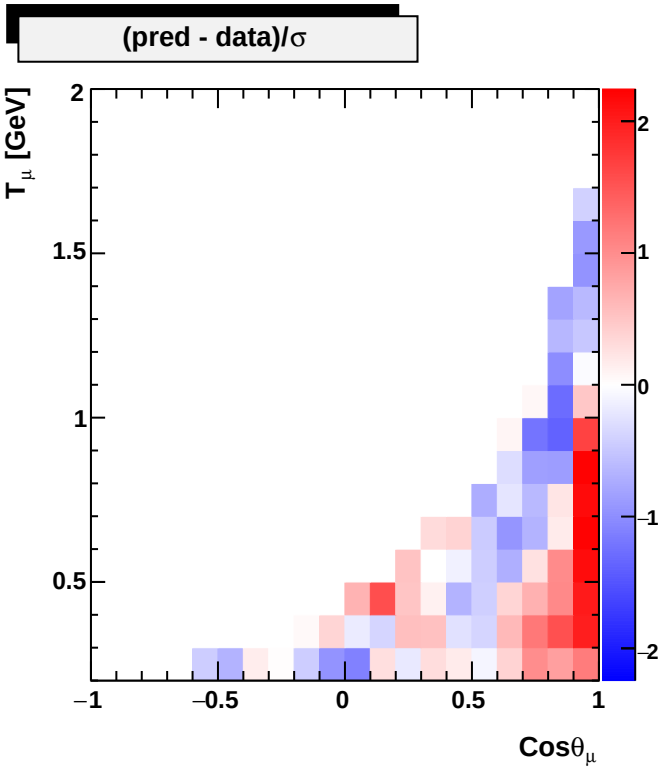
master:G18_02a_00_000:miniboone_rhc

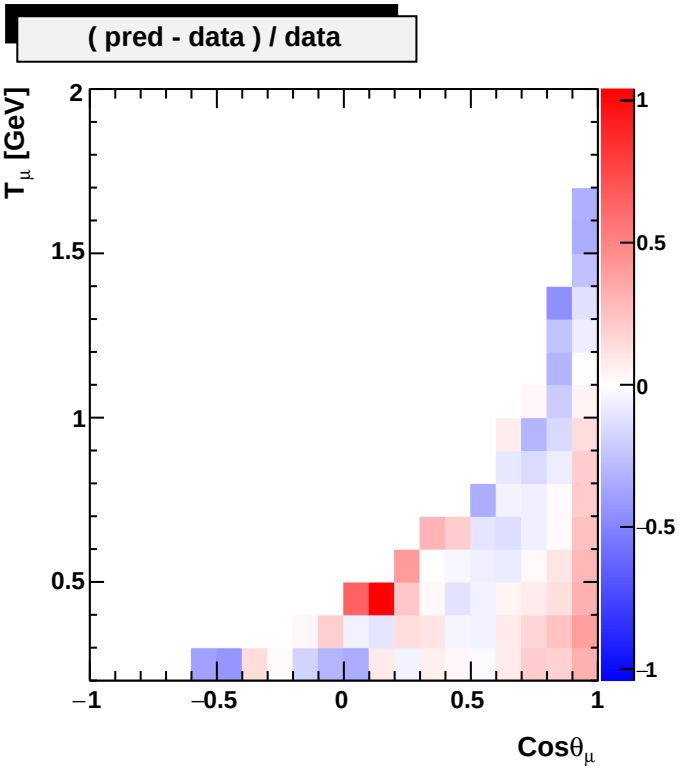
$\partial^2\sigma(\overline{\nu}_\mu$ **CC 0**π**)/**∂ **Cos**θ_μ**/**∂ **T**$_\mu$

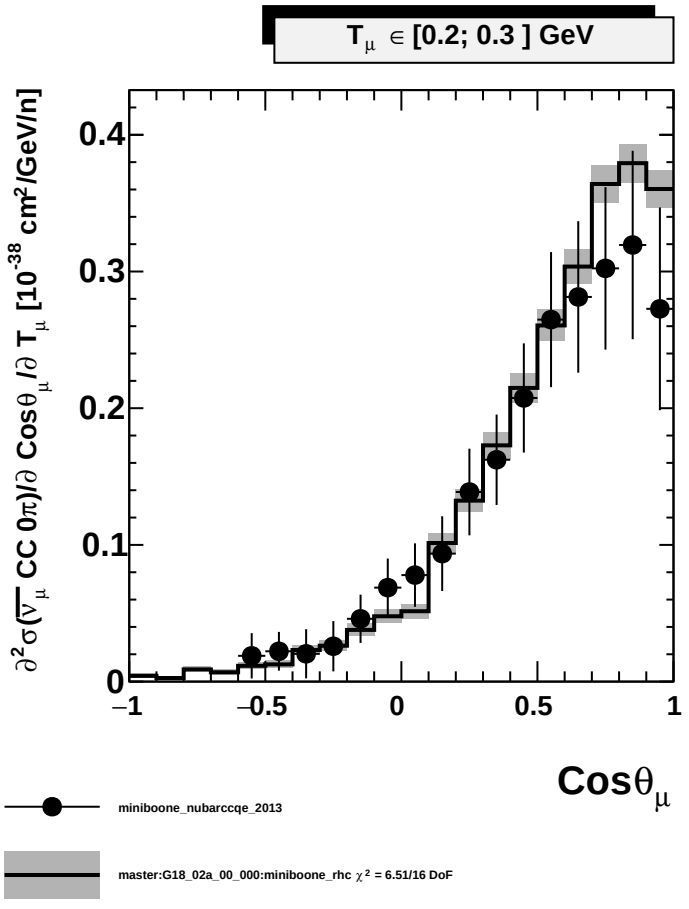
[10^{-38} **cm**^{2}**/GeV/n]**

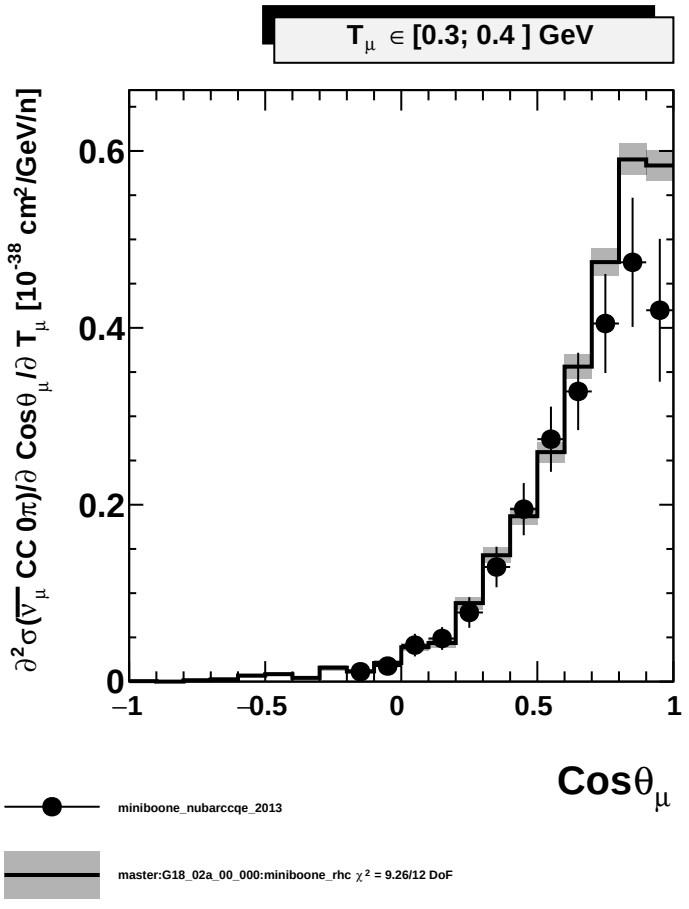
χ^2 **= 63.879/78 DoF**

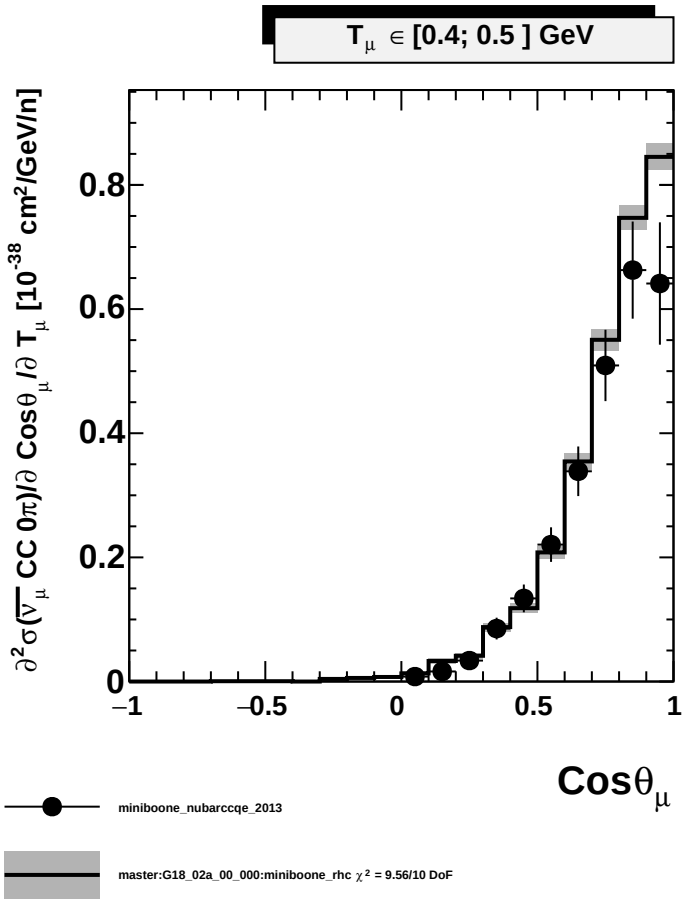


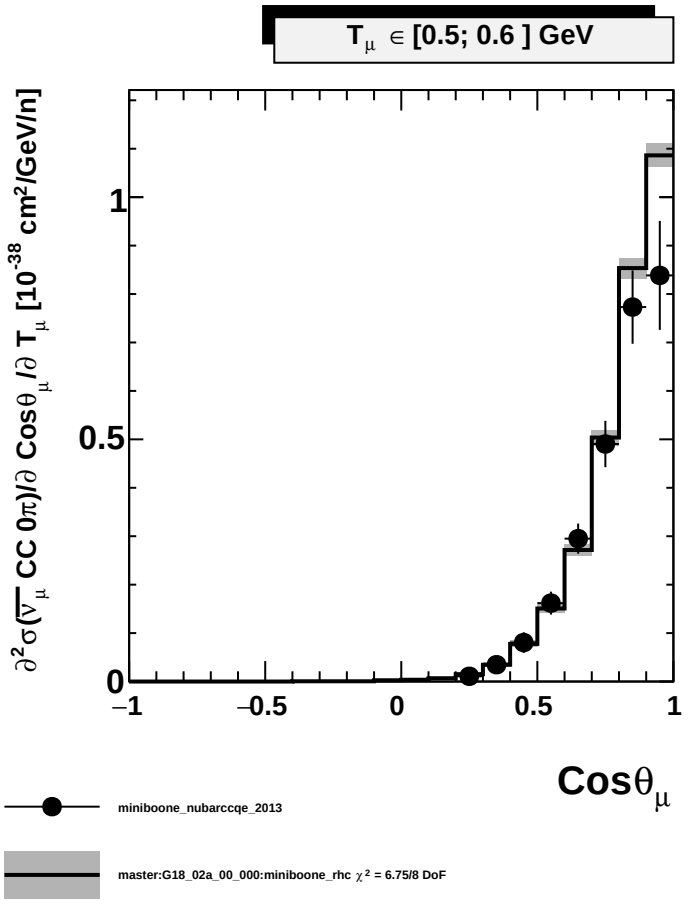


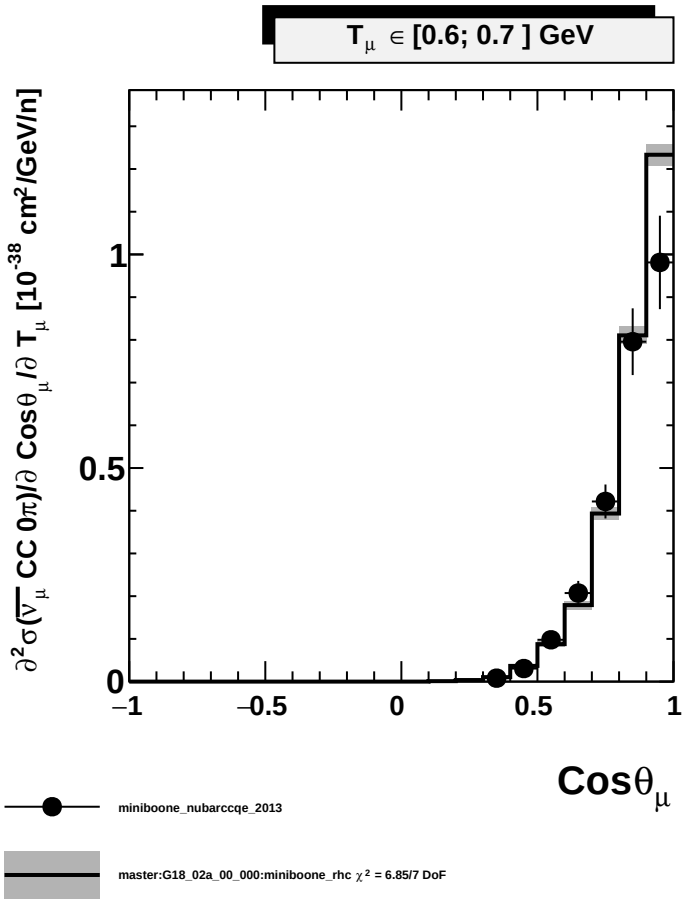


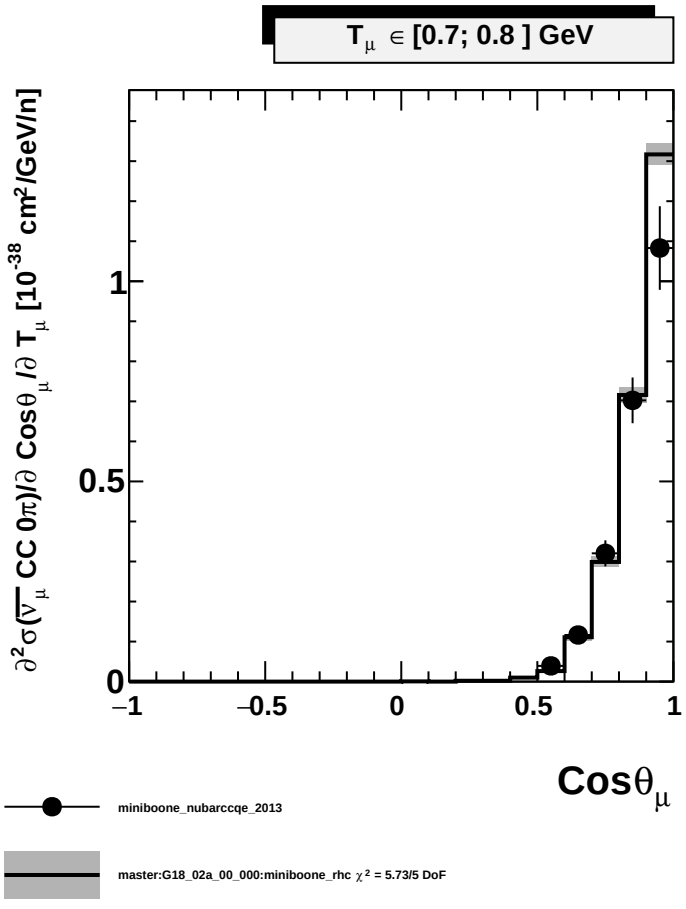

$T_\mu \in [0.2; 0.3]$ GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ /∂ T_{μ^-} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 6.51/16 DoF

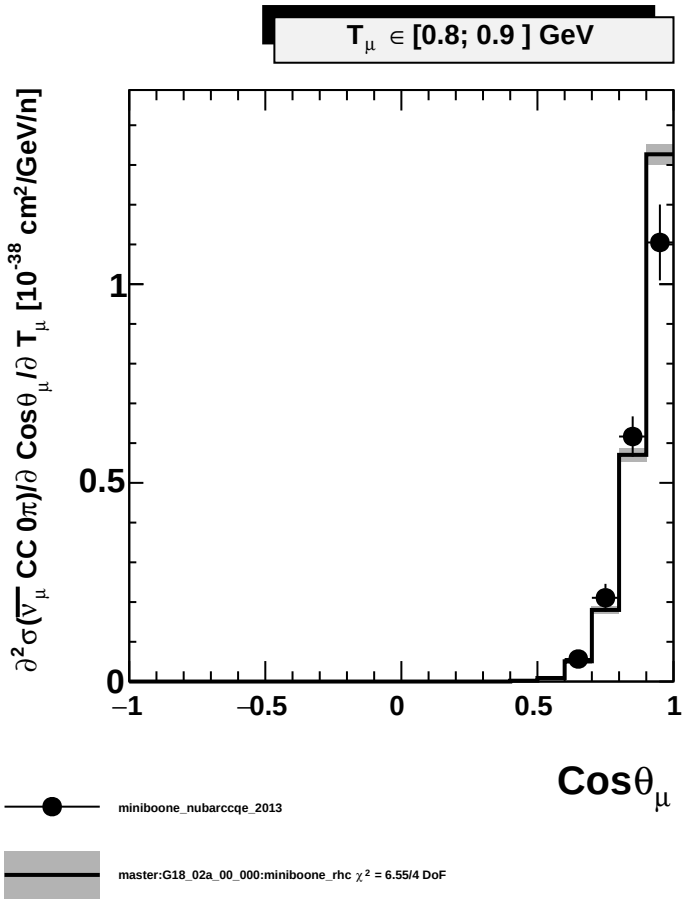

$T_\mu \in [0.3; 0.4]$ GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ /∂ T_{μ^-} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 9.26/12 DoF

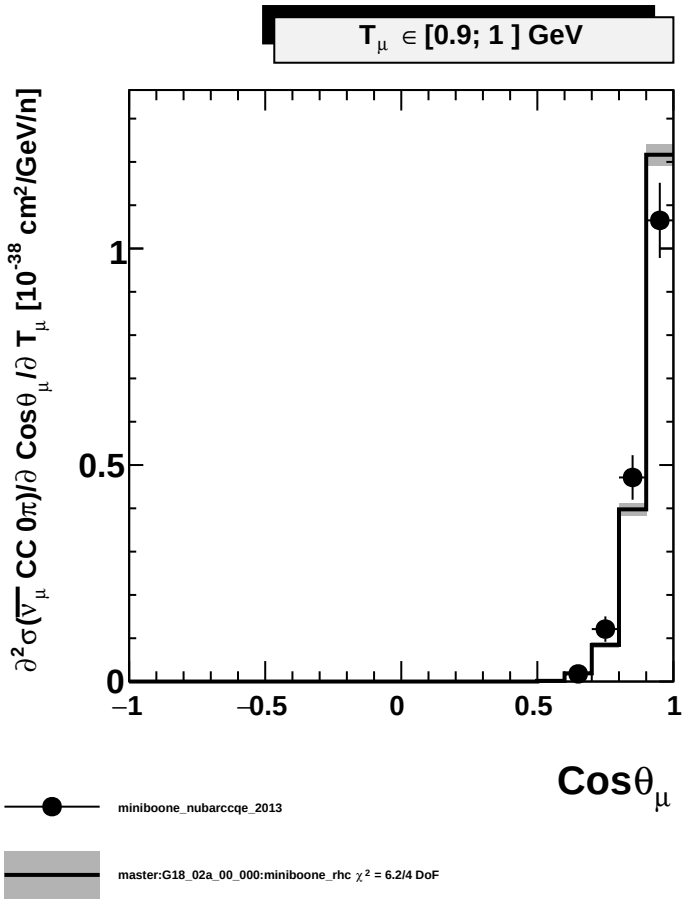

$T_\mu \in [0.4; 0.5]$ GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ /∂ T_{μ^-} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 9.56/10 DoF

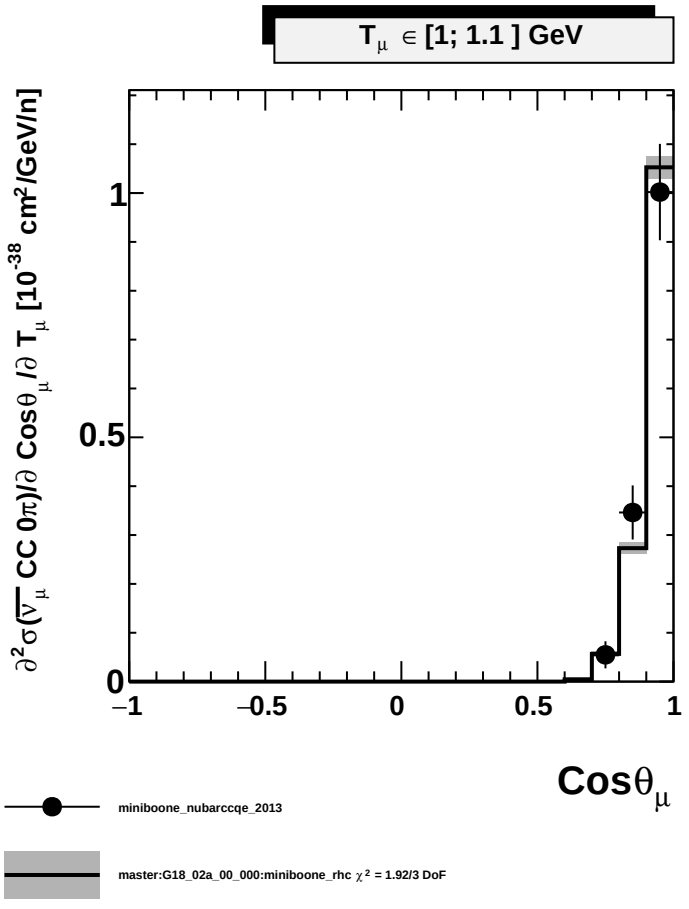

$T_\mu \in [0.5; 0.6]$ GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ /∂ T_{μ^-} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 6.75/8 DoF

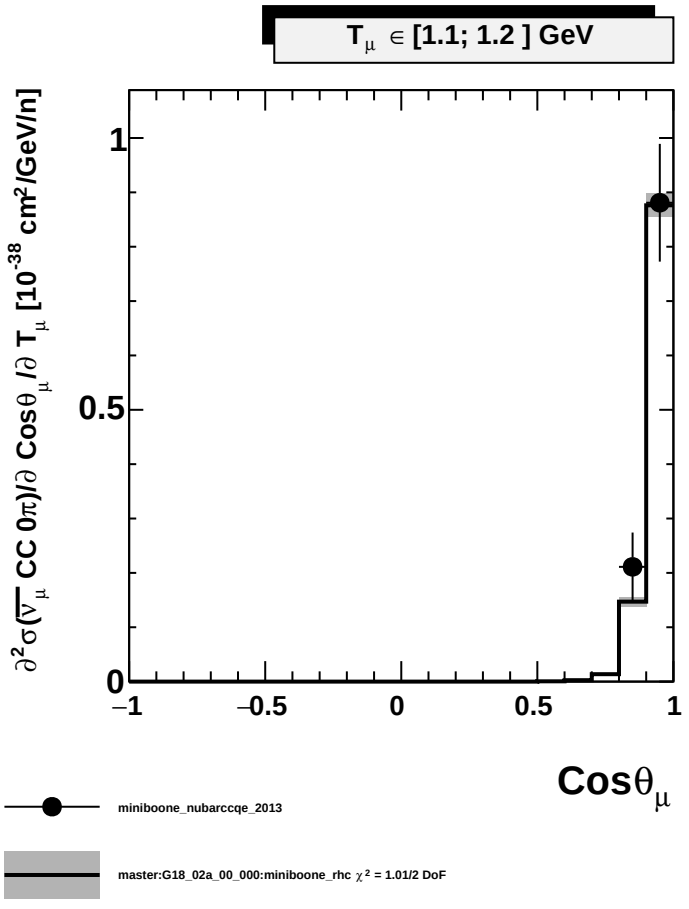

$T_\mu \in$ [0.6; 0.7] GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ /∂ $T_{\mu\,\mu}$ [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nubarcccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 6.85/7 DoF

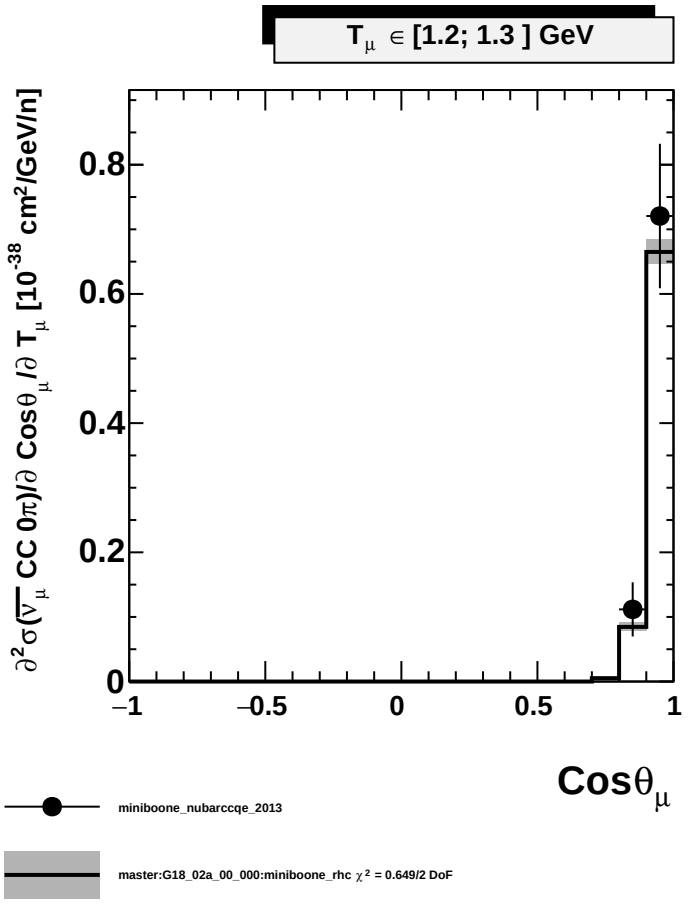

$T_\mu \in$ [0.7; 0.8] GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ /∂ $T_{\mu\,\mu}$ [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nubarcccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 5.73/5 DoF

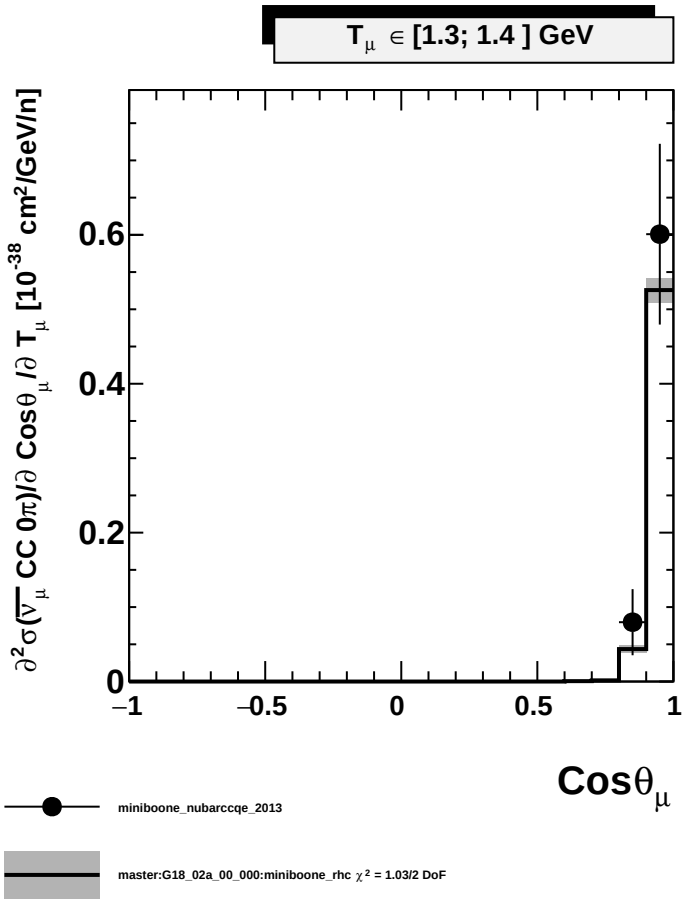

$T_\mu \in$ [0.8; 0.9] GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ /∂ $T_{\mu\,\mu}$ [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nubarcccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 6.55/4 DoF

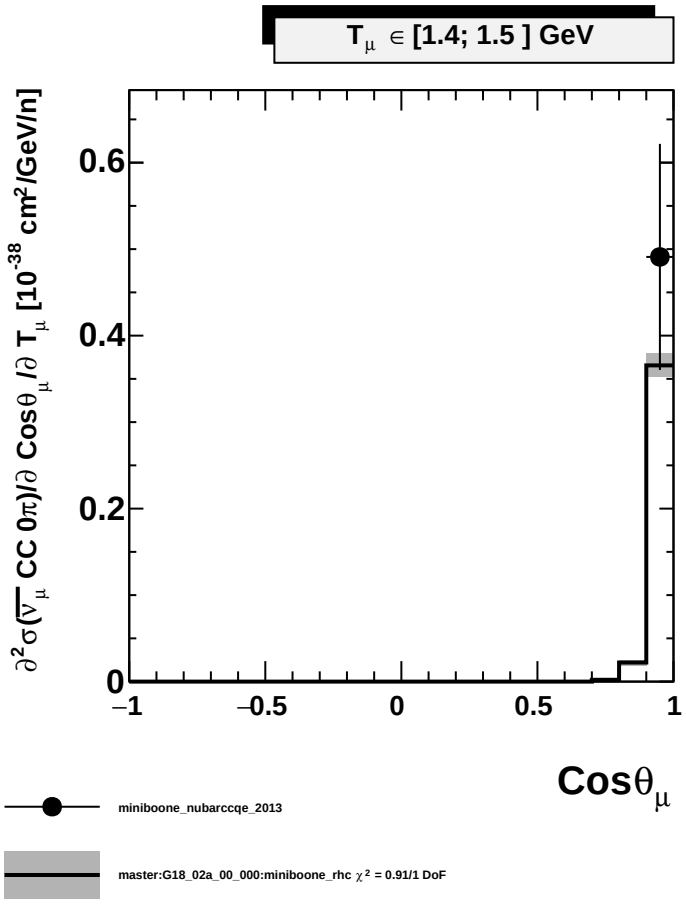

$T_\mu \in$ [0.9; 1] GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ /∂ $T_{\mu\,\mu}$ [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nubarcccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 6.2/4 DoF

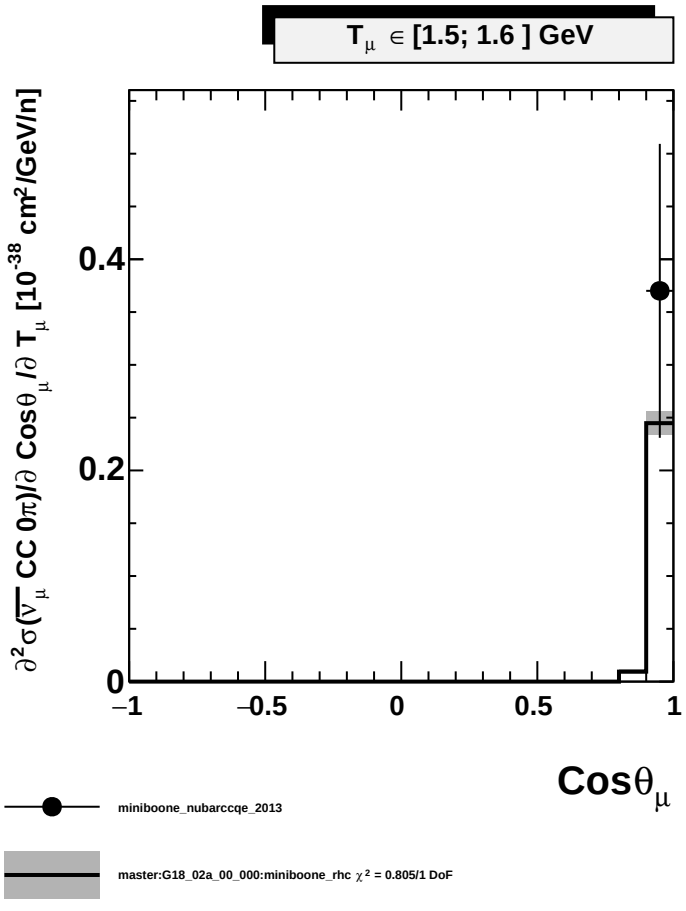

$T_\mu \in$ [1; 1.1] GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ_μ /∂ T_{μ_μ} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 1.92/3 DoF

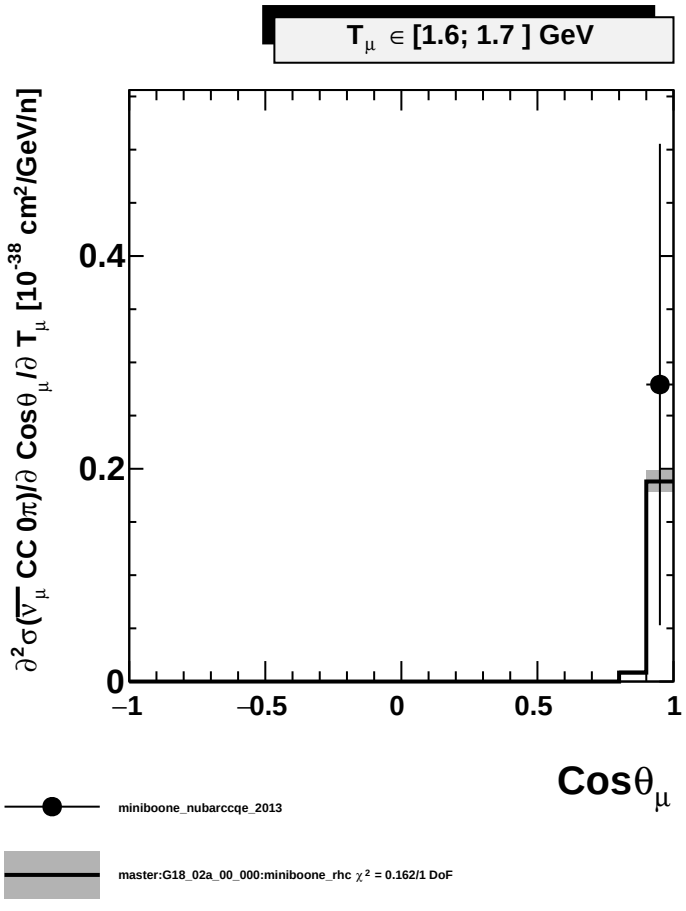

$T_\mu \in$ [1.1; 1.2] GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ_μ /∂ T_{μ_μ} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 1.01/2 DoF

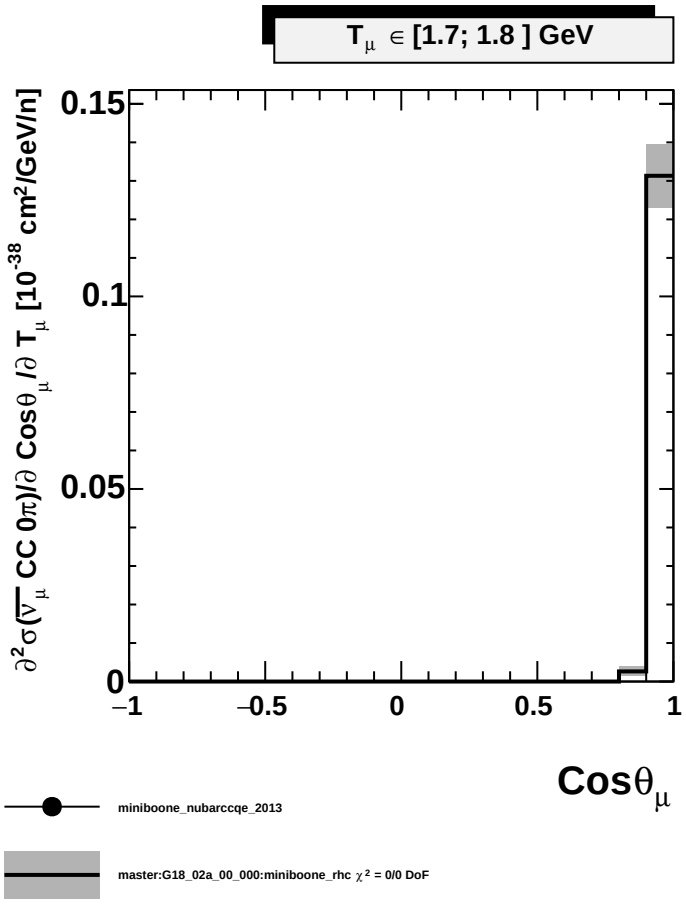

$T_\mu \in$ [1.2; 1.3] GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ_μ /∂ T_{μ_μ} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 0.649/2 DoF

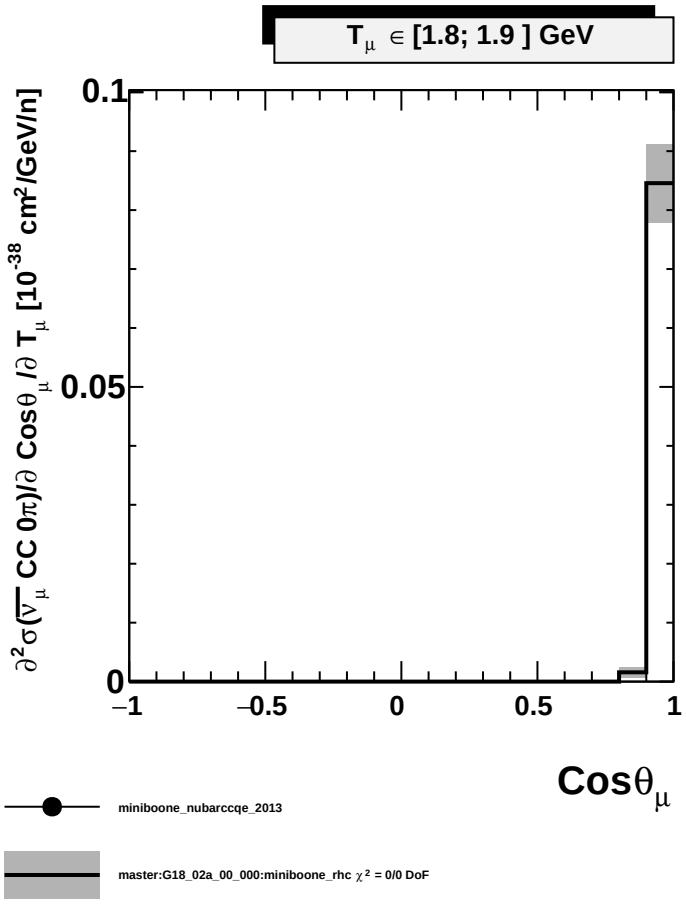

$T_\mu \in$ [1.3; 1.4] GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ_μ /∂ T_{μ_μ} [10^{-38} cm^2/GeV/n]
Cosθ_μ
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 1.03/2 DoF

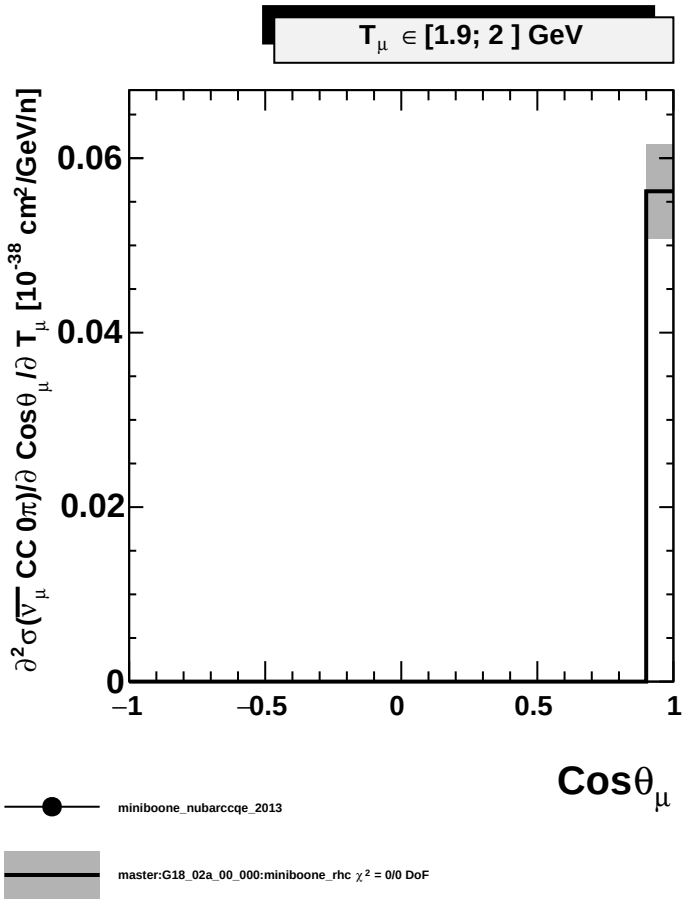

$T_\mu \in$ [1.4; 1.5] GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ /∂ $T_{\mu\,\mu}$ [10^{-38} cm^2/GeV/n]
0.6
0.4
0.2
0
−1
−0.5
0
0.5
1
Cosθ_μ
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 0.91/1 DoF

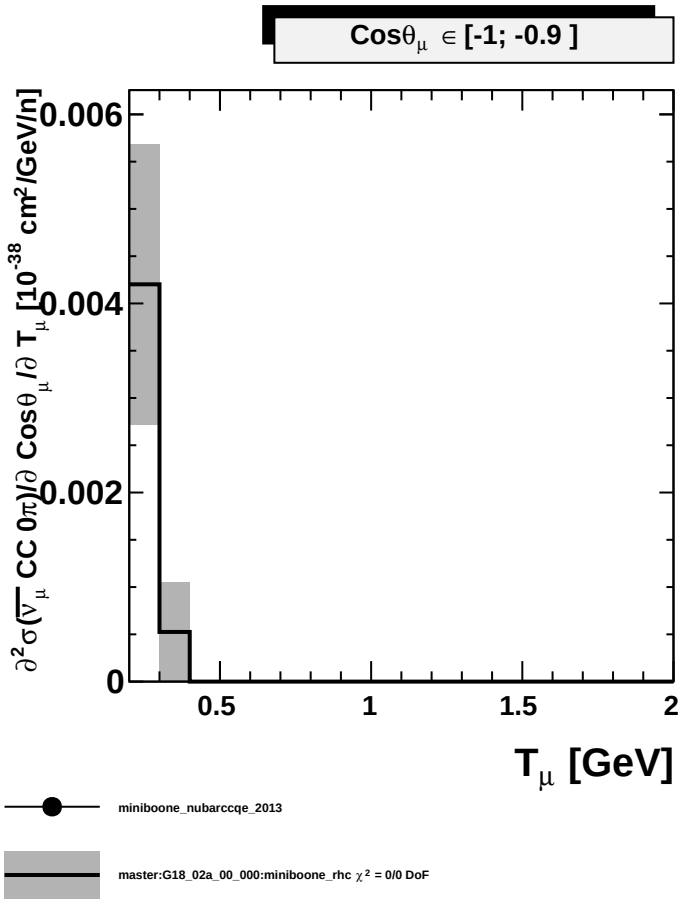

$T_\mu \in$ [1.5; 1.6] GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ /∂ $T_{\mu\,\mu}$ [10^{-38} cm^2/GeV/n]
0.4
0.2
0
−1
−0.5
0
0.5
1
Cosθ_μ
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 0.805/1 DoF

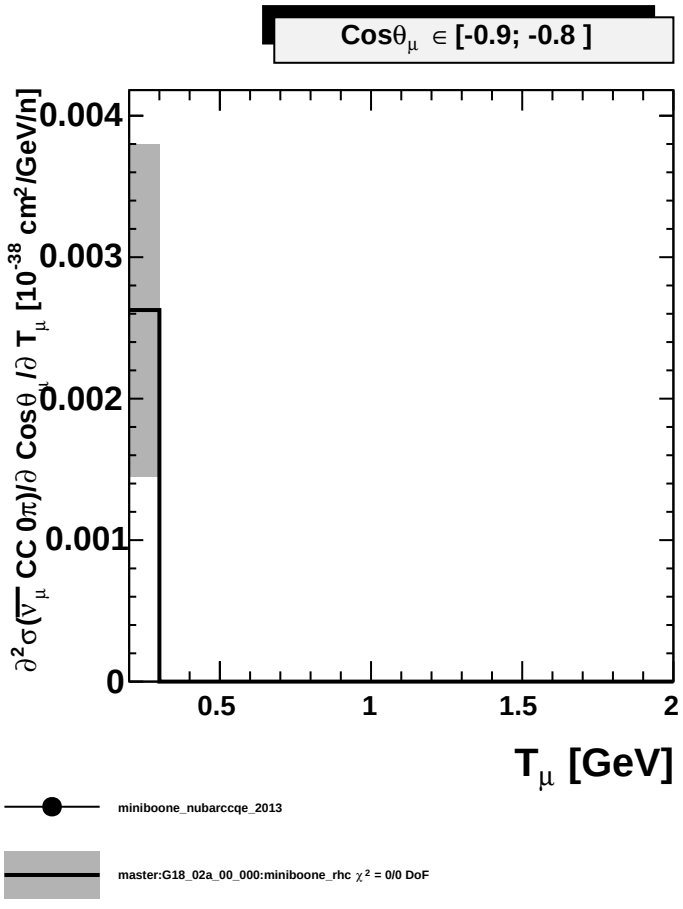

$T_\mu \in$ [1.6; 1.7] GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ /∂ $T_{\mu\,\mu}$ [10^{-38} cm^2/GeV/n]
0.4
0.2
0
−1
−0.5
0
0.5
1
Cosθ_μ
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 0.162/1 DoF

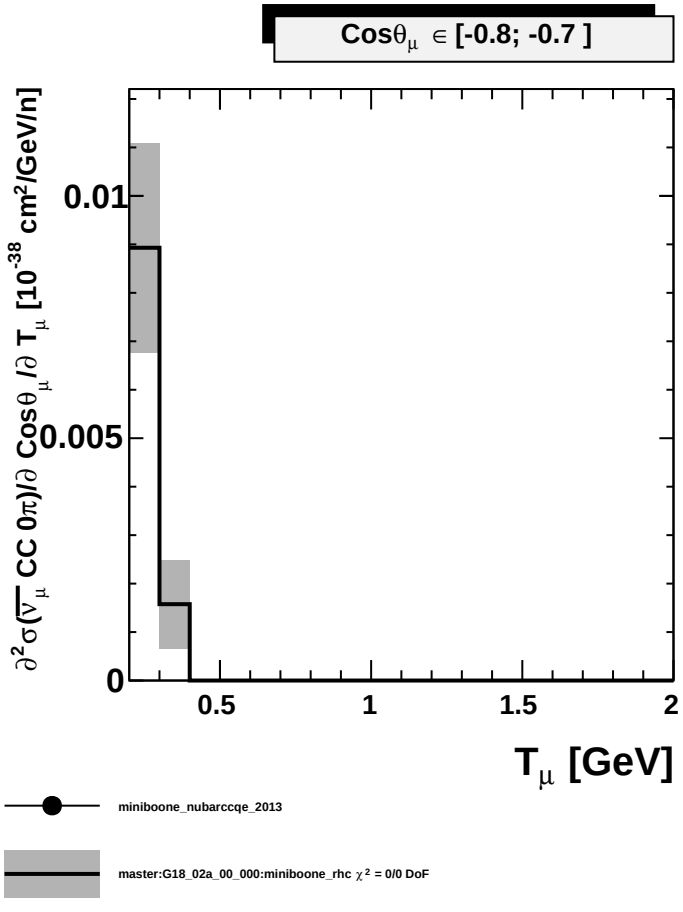

$T_\mu \in$ [1.7; 1.8] GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ /∂ $T_{\mu\,\mu}$ [10^{-38} cm^2/GeV/n]
0.15
0.1
0.05
0
−1
−0.5
0
0.5
1
Cosθ_μ
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 0/0 DoF

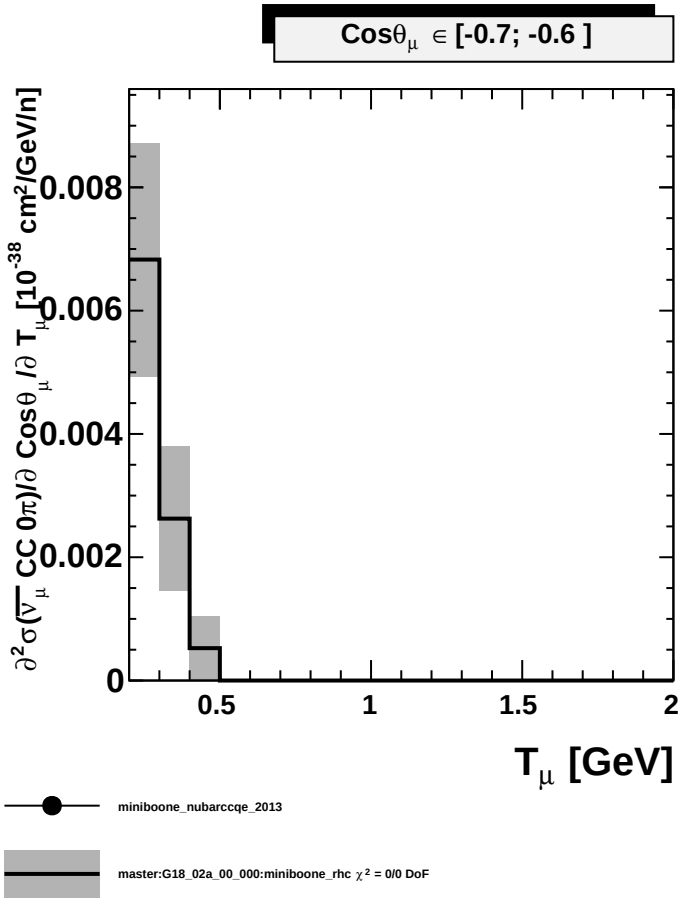

$T_\mu \in$ [1.8; 1.9] GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ_μ /∂ T_μ [10^{-38} cm^2/GeV/n]
0.1
0.05
0
−1
−0.5
0
0.5
1
Cosθ_μ
miniboone_nubarcccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 0/0 DoF

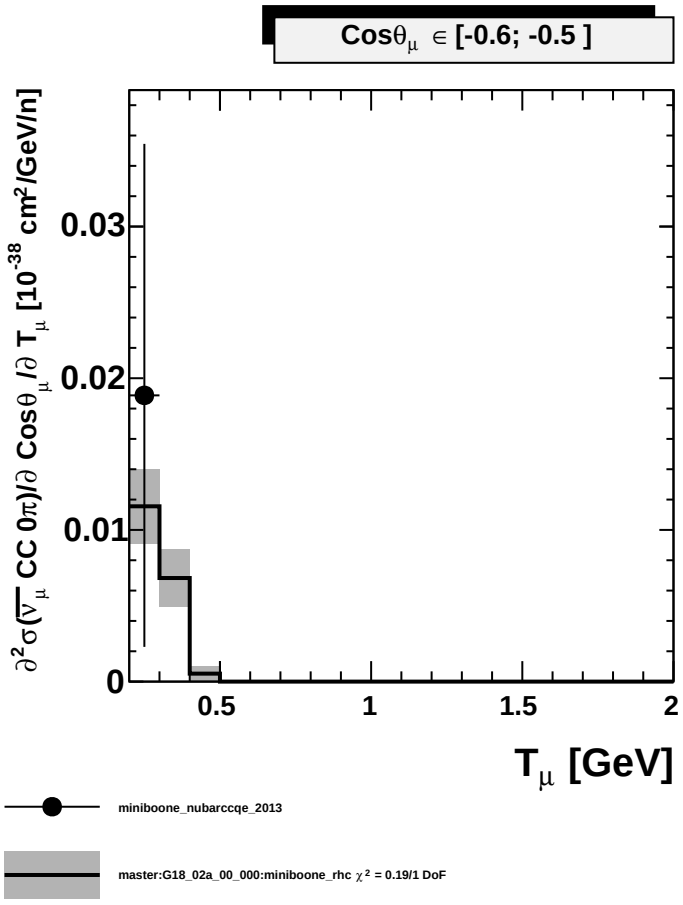

$T_\mu \in$ [1.9; 2] GeV
$\partial^2\sigma(\overline{\nu}_\mu$ CC 0π)/∂ Cosθ_μ /∂ T_μ [10^{-38} cm^2/GeV/n]
0.06
0.04
0.02
0
−1
−0.5
0
0.5
1
Cosθ_μ
miniboone_nubarcccqe_2013
master:G18_02a_00_000:miniboone_rhc χ^2 = 0/0 DoF

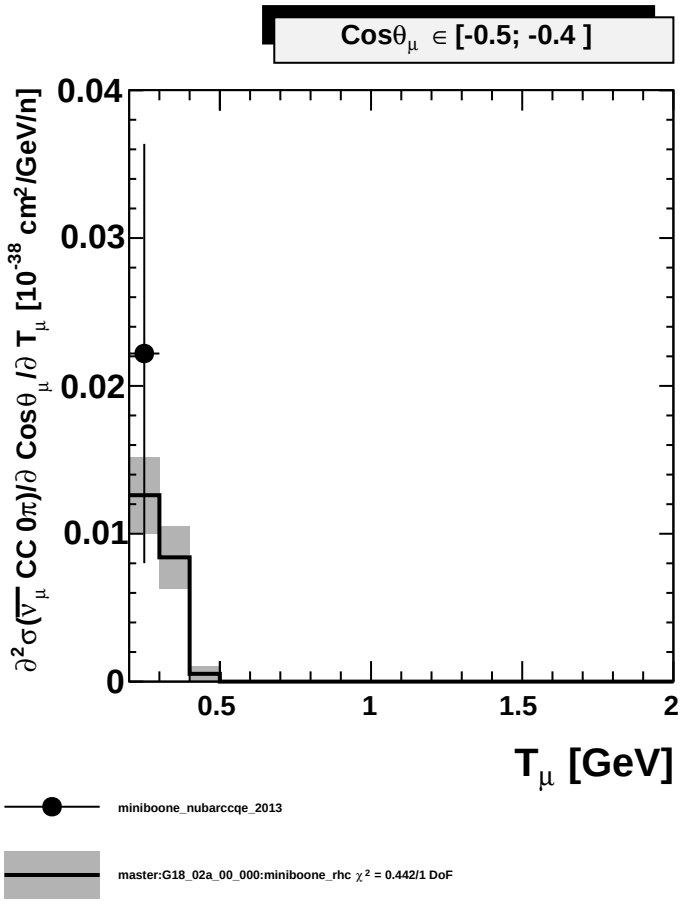

Cosθμ ∈ [-1; -0.9]
0.006
0.004
0.002
0
0.5
1
1.5
2
Tμ [GeV]
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 0/0 DoF

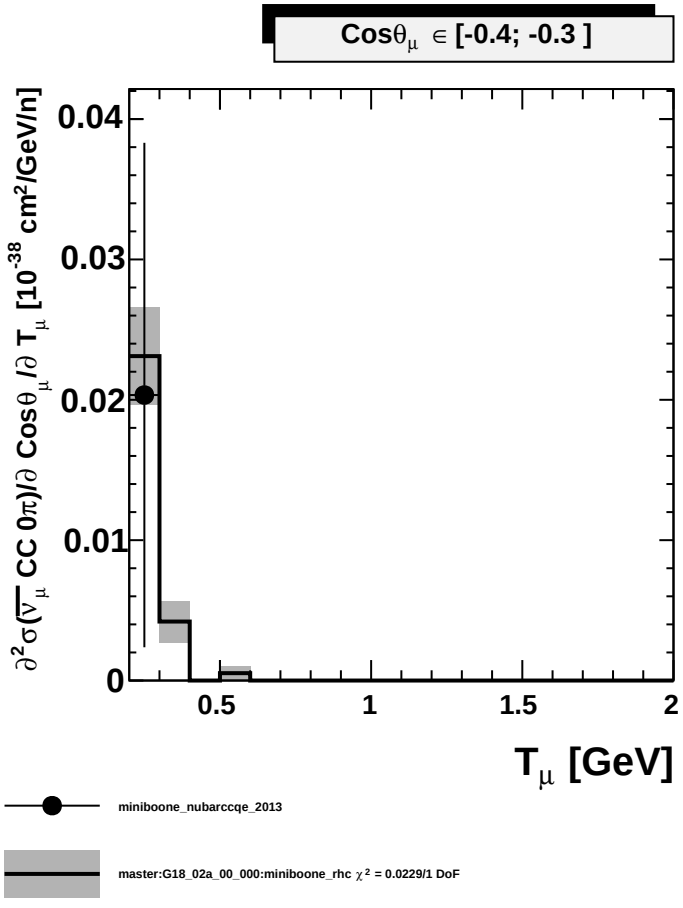

Cosθμ ∈ [-0.9; -0.8]
0.004
0.003
0.002
0.001
0
0.5
1
1.5
2
Tμ [GeV]
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 0/0 DoF

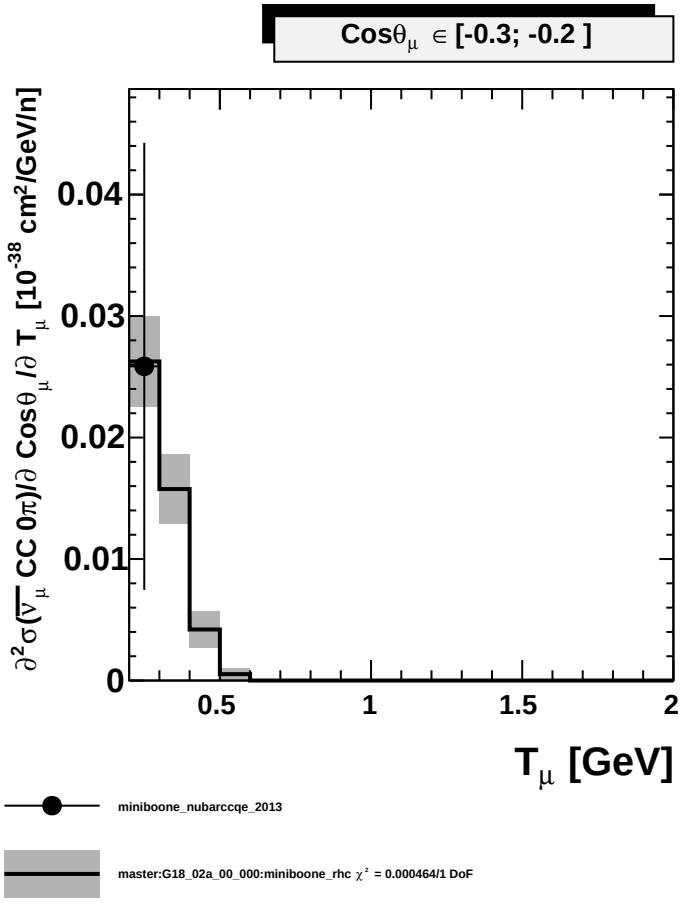

Cosθμ ∈ [-0.8; -0.7]
0.01
0.005
0
0.5
1
1.5
2
Tμ [GeV]
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 0/0 DoF

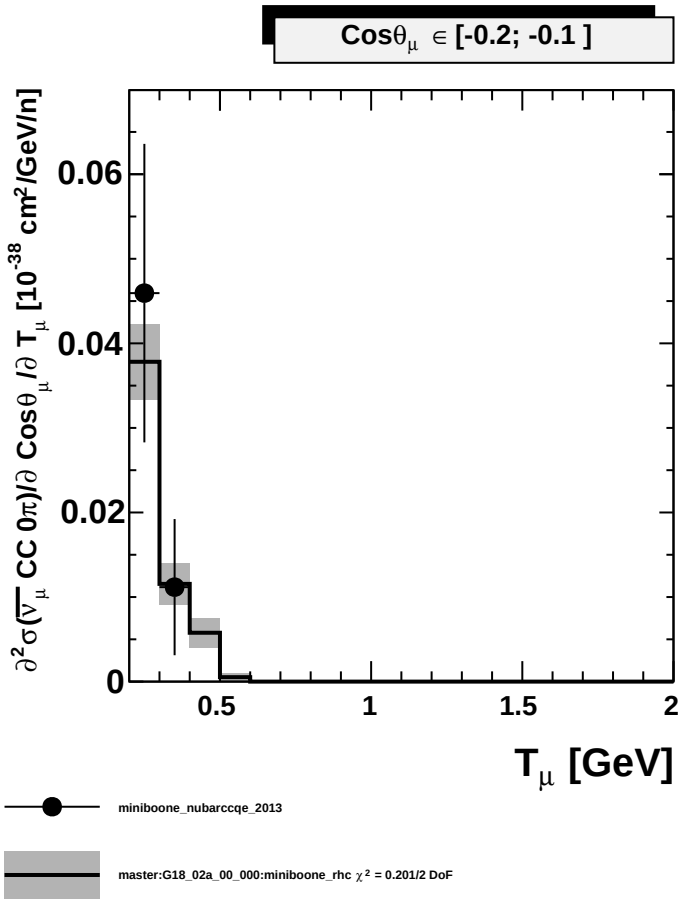

Cosθμ ∈ [-0.7; -0.6]
0.008
0.006
0.004
0.002
0
0.5
1
1.5
2
Tμ [GeV]
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 0/0 DoF

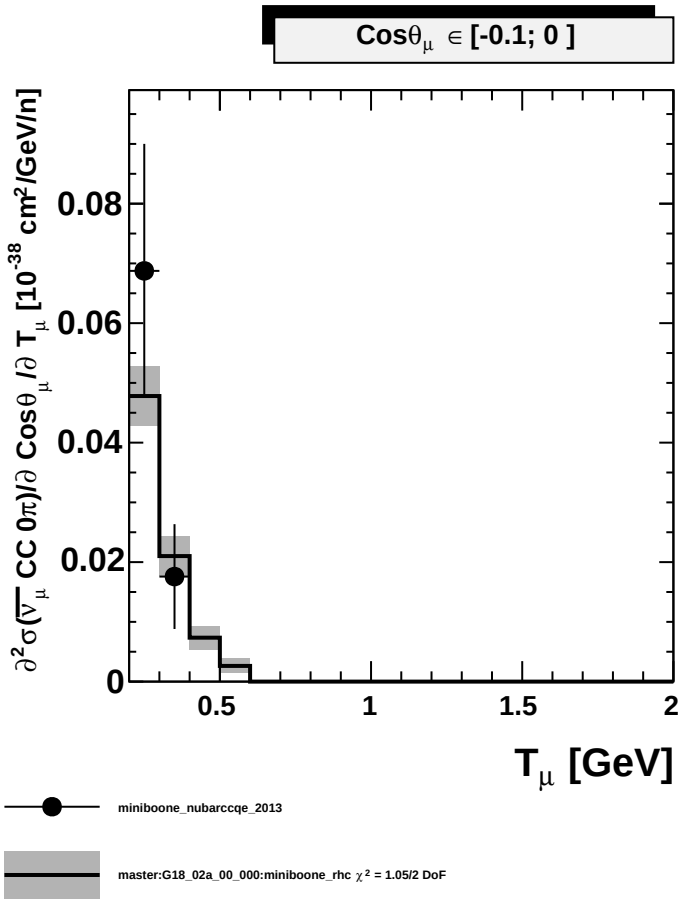

Cosθμ ∈ [-0.6; -0.5]
∂²σ(ν̄μ CC 0π)/∂ Cosθμ /∂ Tμ [10⁻³⁸ cm²/GeV/n]
0
0.01
0.02
0.03
0.5
1
1.5
2
Tμ [GeV]
miniboone_nubarcccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 0.19/1 DoF

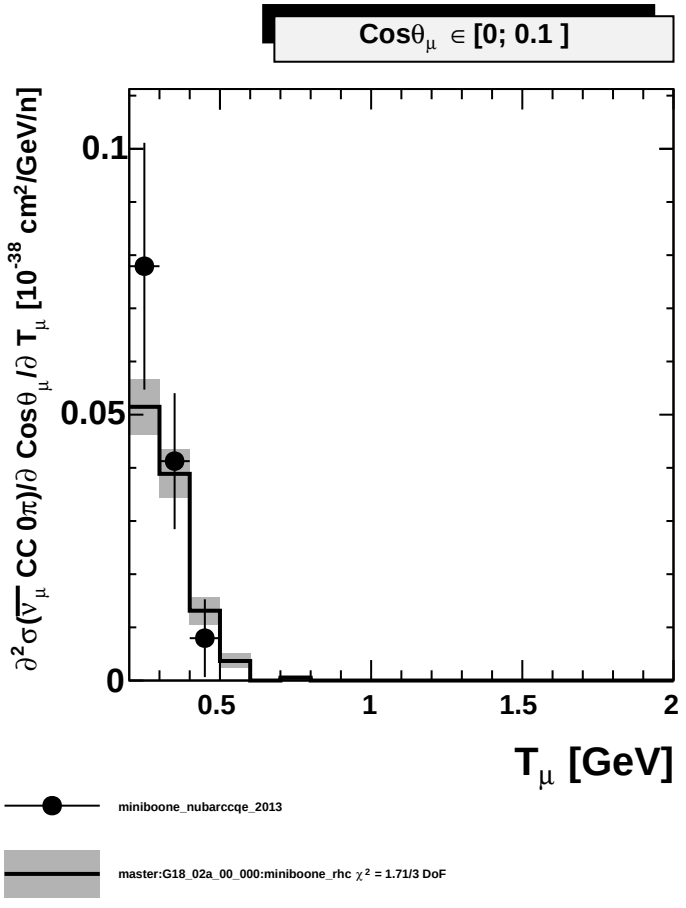

Cosθμ ∈ [-0.5; -0.4]
∂²σ(ν̄μ CC 0π)/∂ Cosθμ /∂ Tμ [10⁻³⁸ cm²/GeV/n]
0
0.01
0.02
0.03
0.04
0.5
1
1.5
2
Tμ [GeV]
miniboone_nubarcccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 0.442/1 DoF

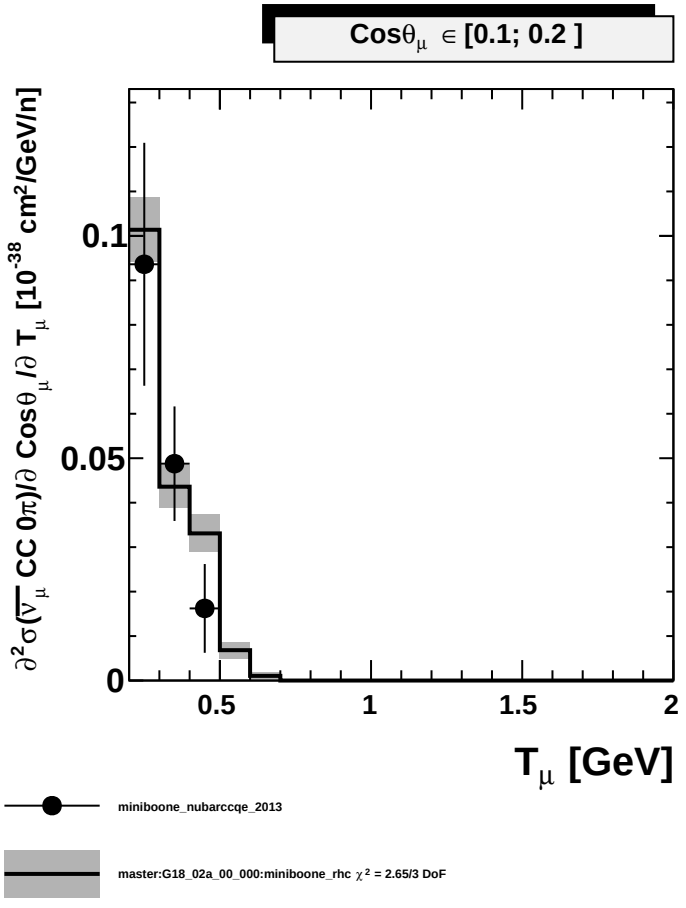

Cosθμ ∈ [-0.4; -0.3]
∂²σ(ν̄μ CC 0π)/∂ Cosθμ /∂ Tμ [10⁻³⁸ cm²/GeV/n]
0
0.01
0.02
0.03
0.04
0.5
1
1.5
2
Tμ [GeV]
miniboone_nubarcccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 0.0229/1 DoF

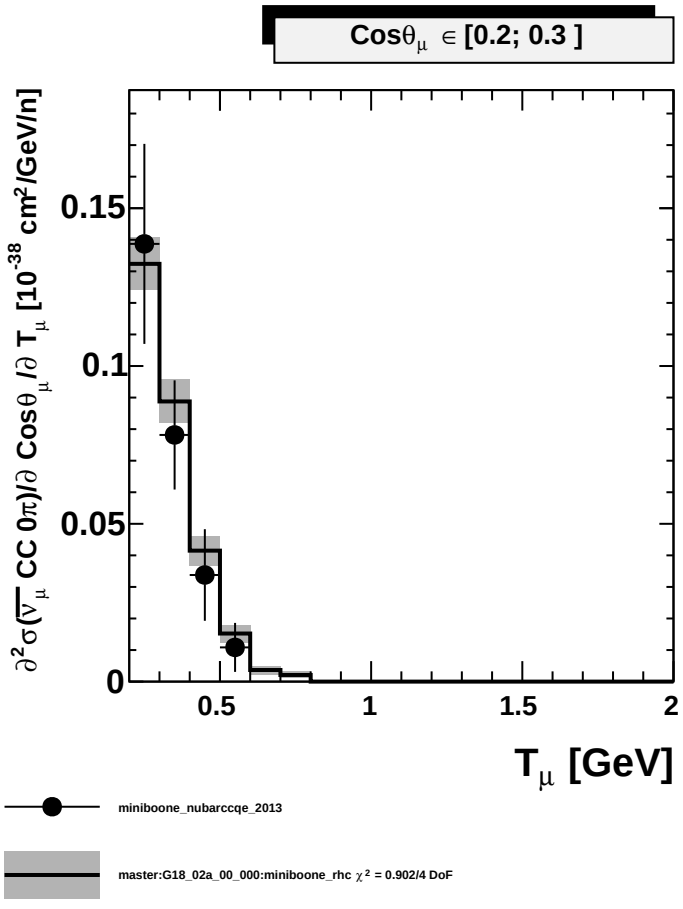

Cosθμ ∈ [-0.3; -0.2]
∂²σ(ν̄μ CC 0π)/∂ Cosθμ /∂ Tμ [10⁻³⁸ cm²/GeV/n]
0
0.01
0.02
0.03
0.04
0.5
1
1.5
2
Tμ [GeV]
miniboone_nubarcccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 0.000464/1 DoF

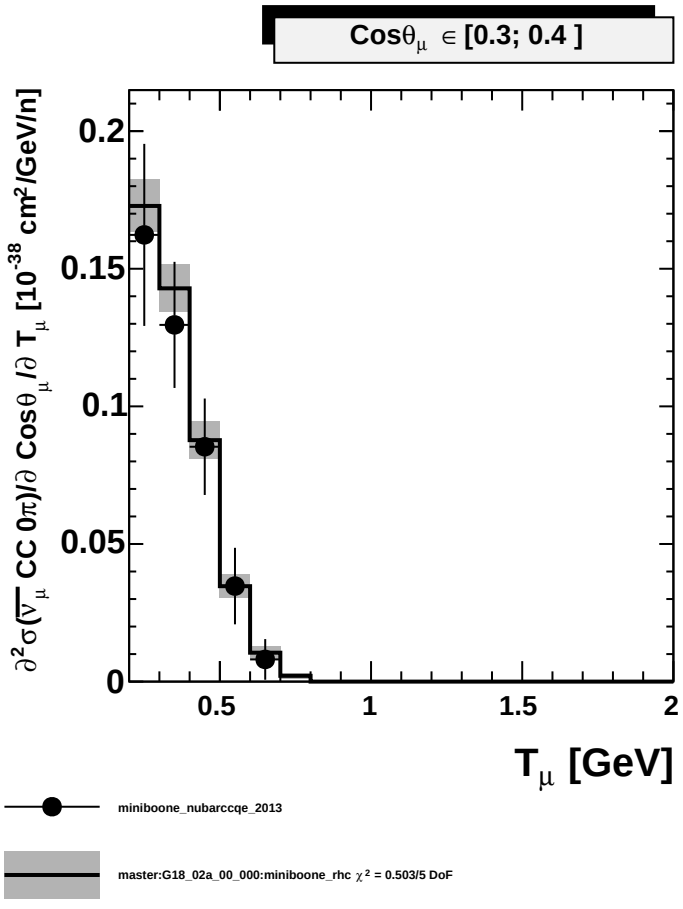

Cosθμ ∈ [-0.2; -0.1]
∂²σ(ν̄μ CC 0π)/∂ Cosθμ /∂ Tμ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 0.201/2 DoF

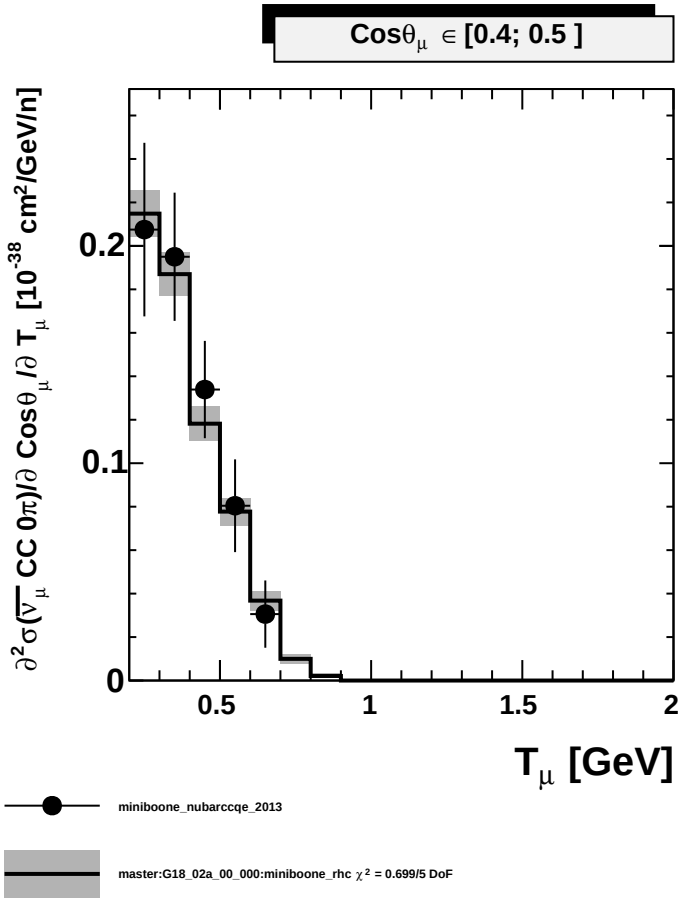

Cosθμ ∈ [-0.1; 0]
∂²σ(ν̄μ CC 0π)/∂ Cosθμ /∂ Tμ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 1.05/2 DoF

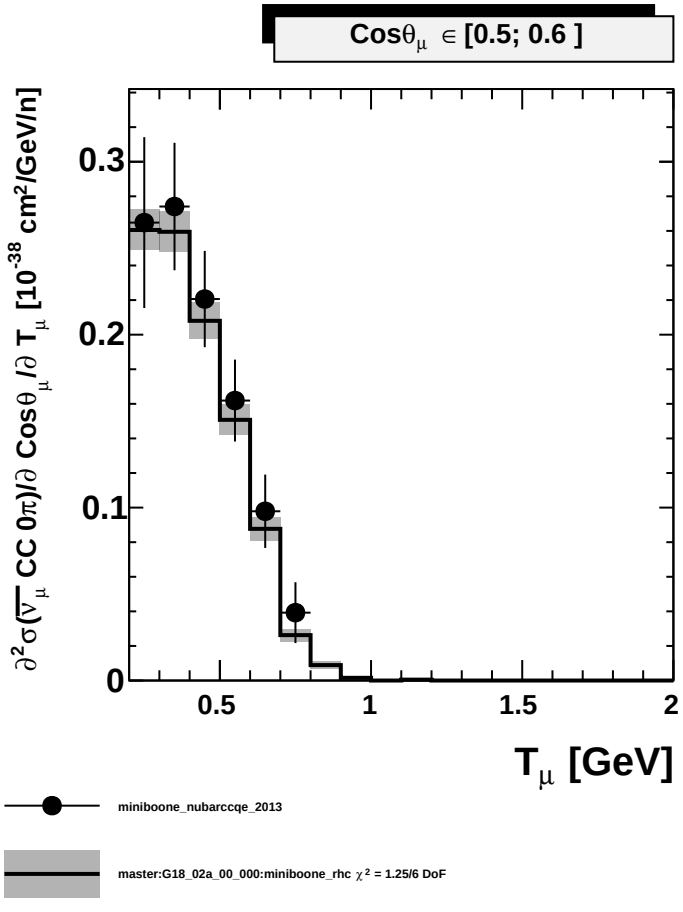

Cosθμ ∈ [0; 0.1]
∂²σ(ν̄μ CC 0π)/∂ Cosθμ /∂ Tμ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 1.71/3 DoF

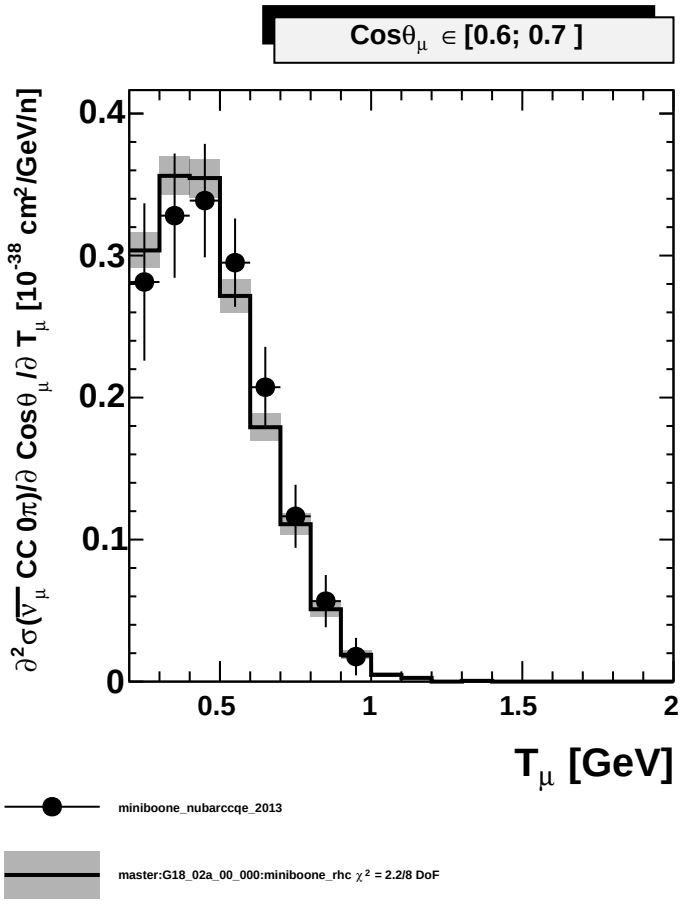

Cosθμ ∈ [0.1; 0.2]
∂²σ(ν̄μ CC 0π)/∂ Cosθμ /∂ Tμ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 2.65/3 DoF

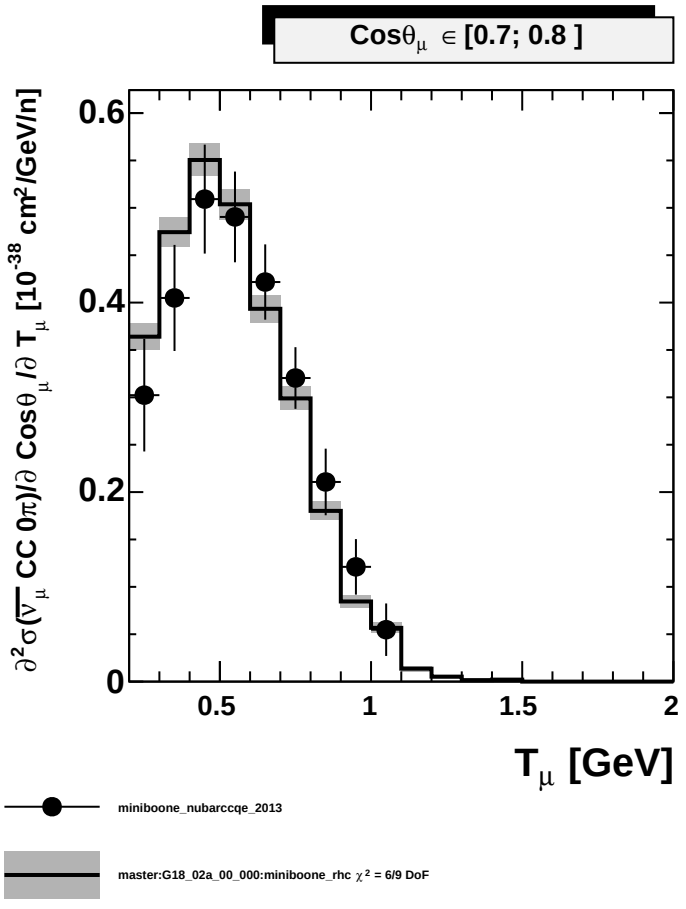

Cosθμ ∈ [0.2; 0.3]
∂²σ(ν̄μ CC 0π)/∂ Cosθμ /∂ Tμ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nubarcccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 0.902/4 DoF

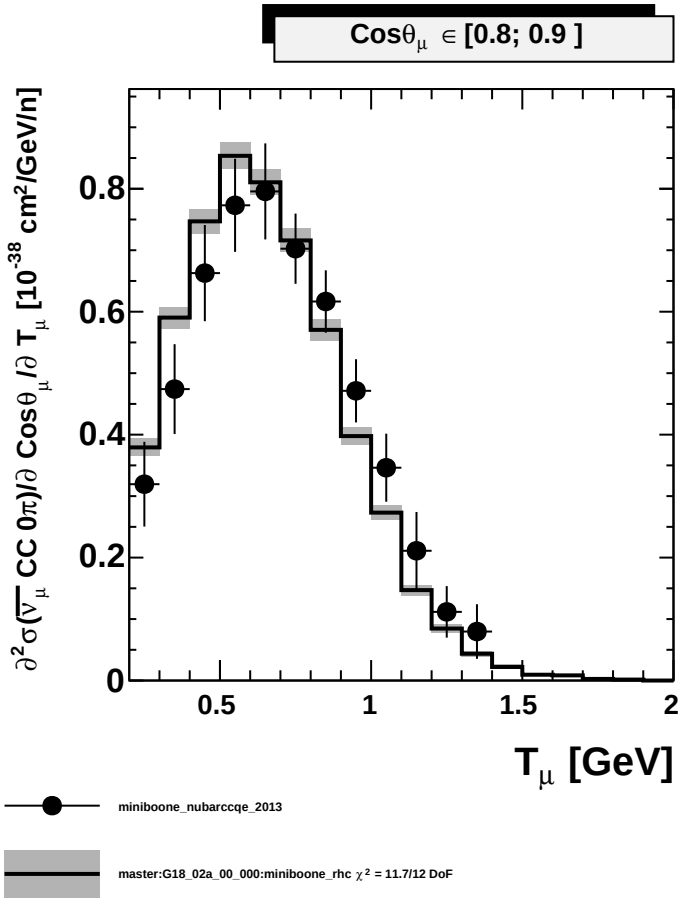

Cosθμ ∈ [0.3; 0.4]
∂²σ(ν̄μ CC 0π)/∂ Cosθμ /∂ Tμ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nubarcccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 0.503/5 DoF

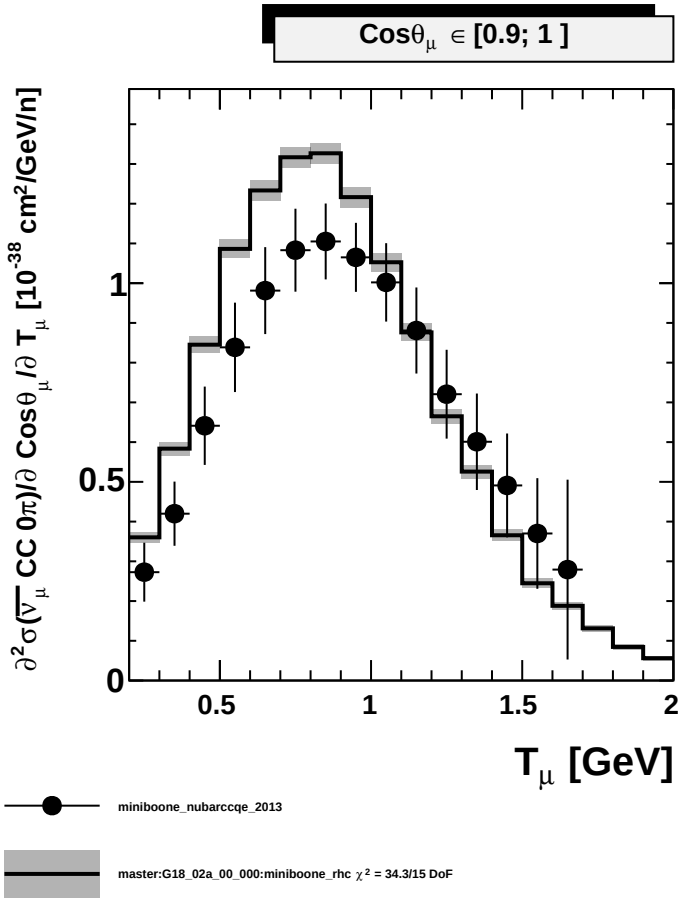

Cosθμ ∈ [0.4; 0.5]
∂²σ(ν̄μ CC 0π)/∂ Cosθμ /∂ Tμ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nubarcccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 0.699/5 DoF


Cosθμ ∈ [0.5; 0.6]
∂²σ(ν̄μ CC 0π)/∂ Cosθμ /∂ Tμ [10⁻³⁸ cm²/GeV/n]
Tμ [GeV]
miniboone_nubarcccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 1.25/6 DoF


Cosθμ ∈ [0.6; 0.7]
∂²σ(ν_μ CC 0π)/∂ Cosθ_μ /∂ T_μ [10⁻³⁸ cm²/GeV/n]
T_μ [GeV]
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 2.2/8 DoF


Cosθμ ∈ [0.7; 0.8]
∂²σ(ν_μ CC 0π)/∂ Cosθ_μ /∂ T_μ [10⁻³⁸ cm²/GeV/n]
T_μ [GeV]
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 6/9 DoF


Cosθμ ∈ [0.8; 0.9]
∂²σ(ν_μ CC 0π)/∂ Cosθ_μ /∂ T_μ [10⁻³⁸ cm²/GeV/n]
T_μ [GeV]
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 11.7/12 DoF


Cosθμ ∈ [0.9; 1]
∂²σ(ν_μ CC 0π)/∂ Cosθ_μ /∂ T_μ [10⁻³⁸ cm²/GeV/n]
T_μ [GeV]
miniboone_nubarccqe_2013
master:G18_02a_00_000:miniboone_rhc χ² = 34.3/15 DoF

Dataset:

t2k_nd280_numucc0pi_2015_rps

Model:

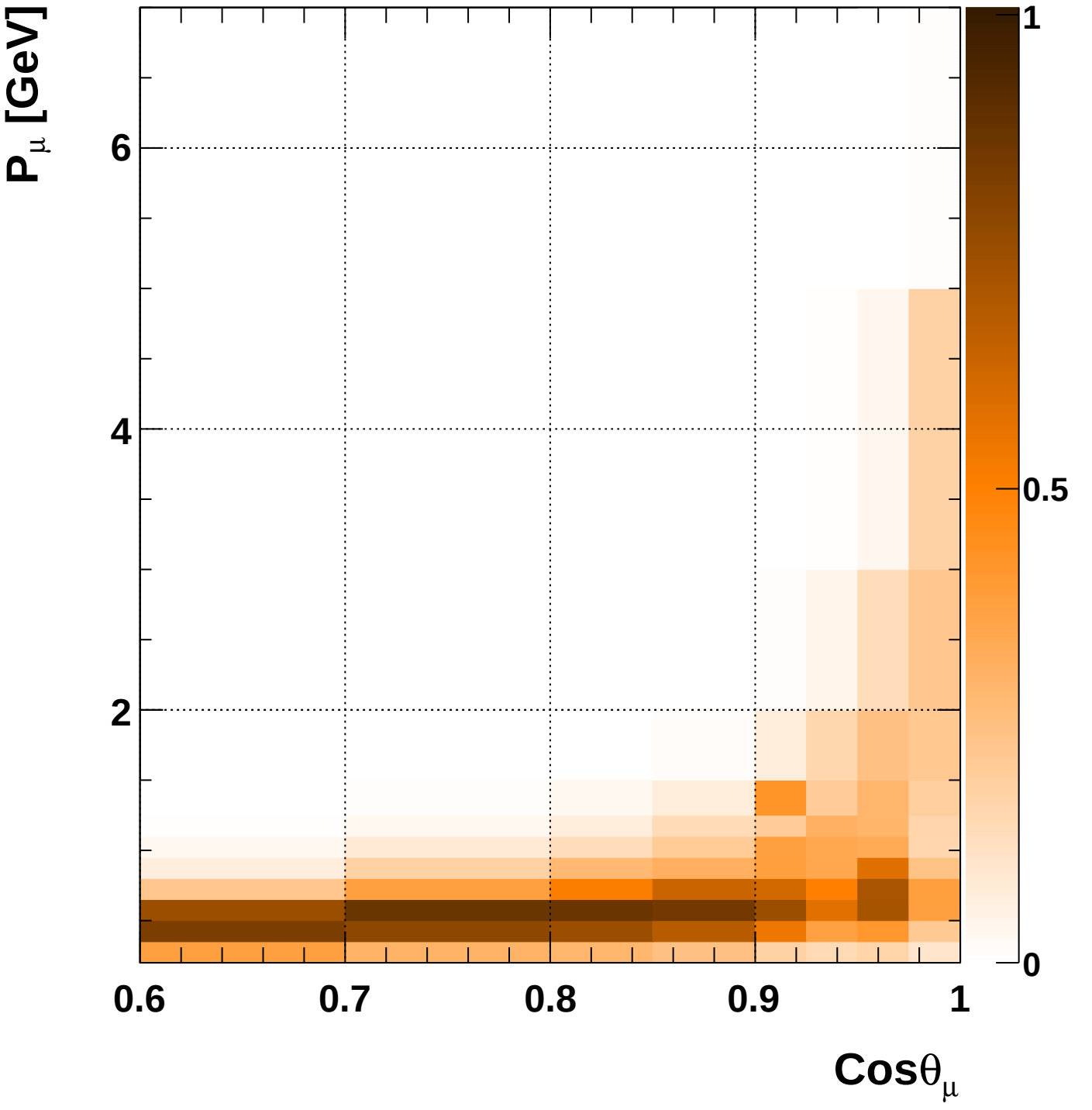
master/G18_02a_00_000 χ^2 = 79.3 / 80 DoF

Plot:

$\partial^2\sigma/\partial$ **Cos**θ_μ/∂ P_μ

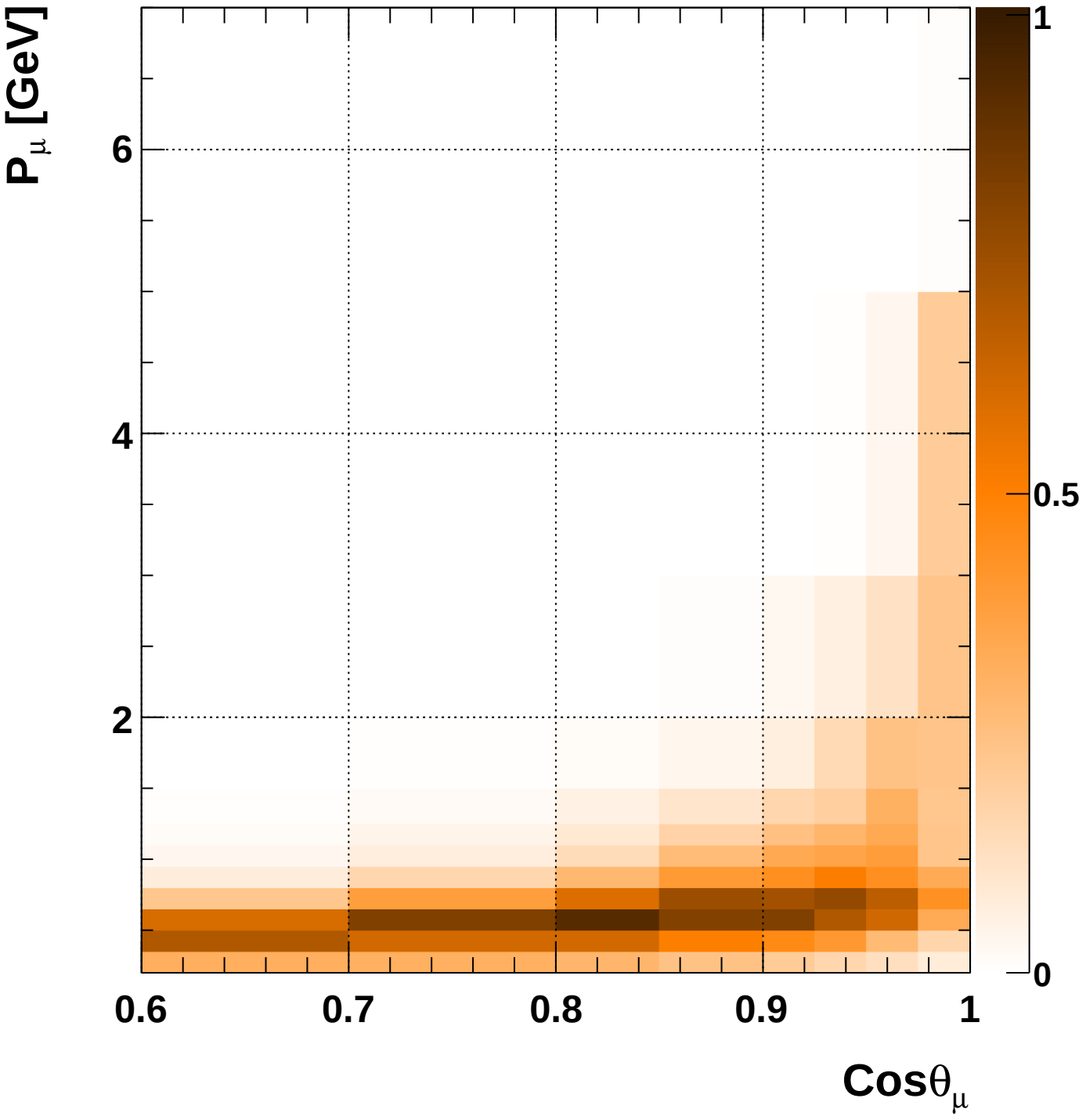
80 DoF, χ^2 = 79.3

2018/10/15 09:40:43



$\partial^2\sigma/\partial\,\mathrm{Cos}\theta_\mu/\partial\,P_\mu$ [10^{-38} cm^2/GeV/n]

Data: t2k_nd280_numucc0pi_2015_rps



$\partial^2\sigma/\partial \cos\theta_\mu/\partial P_\mu$ [10^{-38} cm^2/GeV/n]

Pred: master:G18_02a_00_000:t2k_nd280_numu_fhc

t2k_nd280_numucc0pi_2015_rps

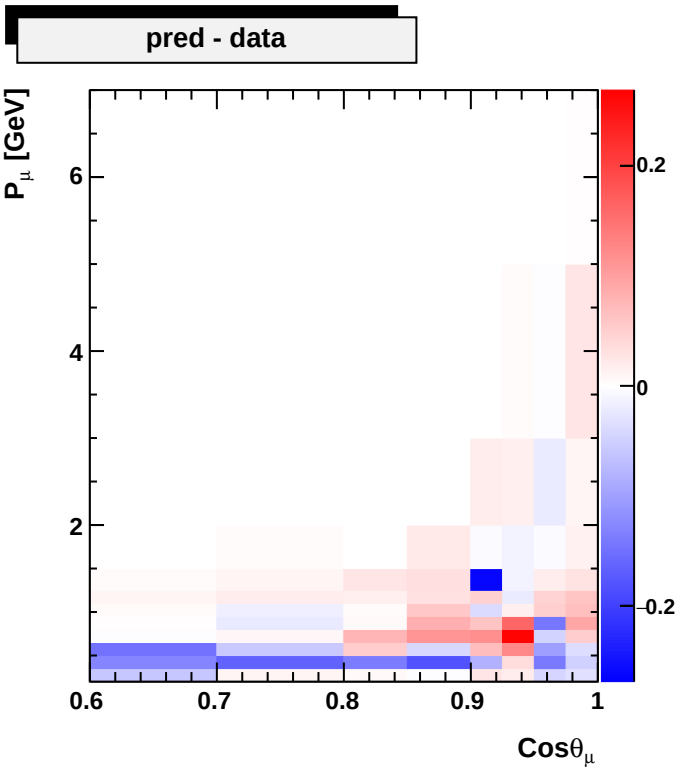
VS

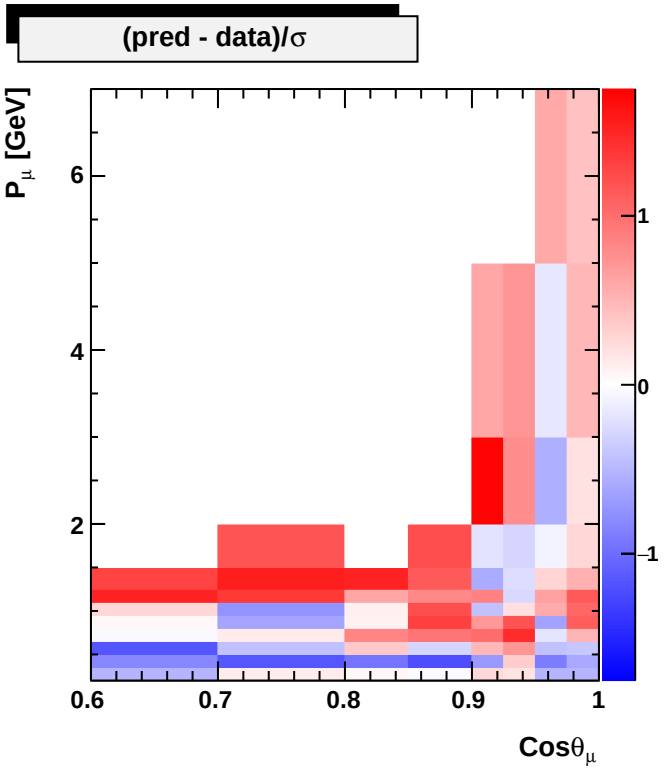
master:G18_02a_00_000:t2k_nd280_numu_fhc

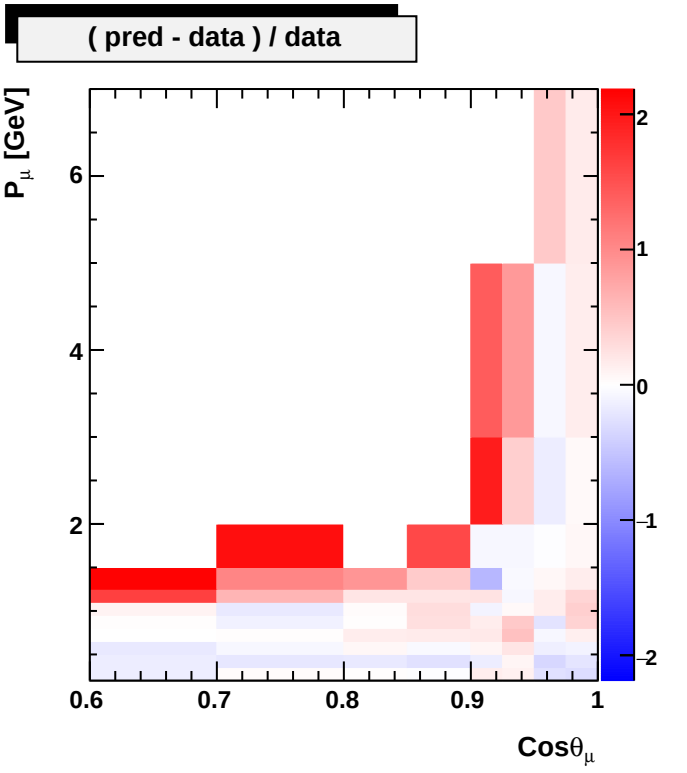
$\partial^2\sigma/\partial \text{Cos}\theta_\mu/\partial P_\mu$

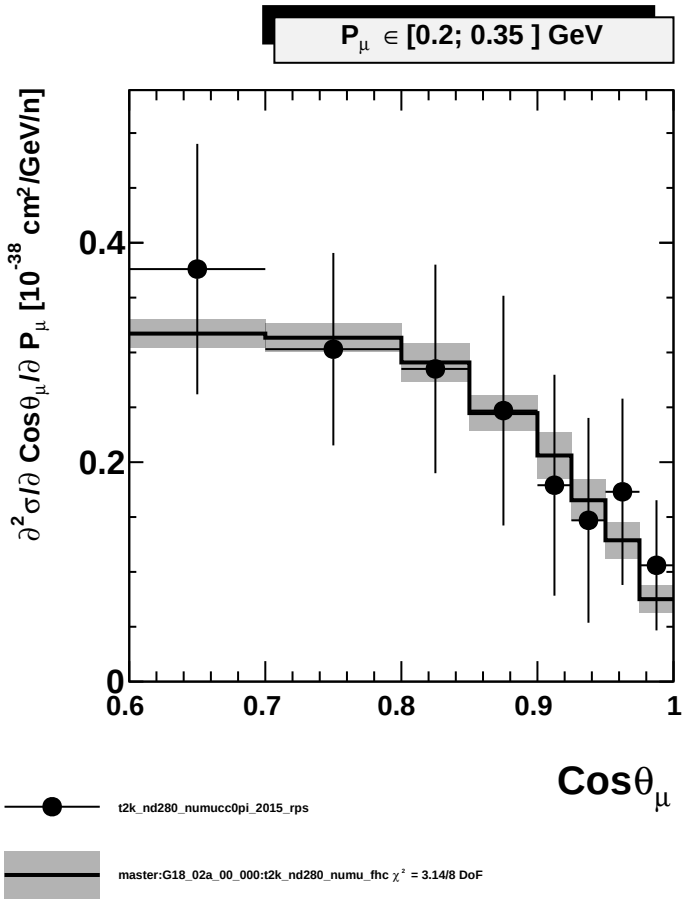
[10^{-38} cm^2/GeV/n]

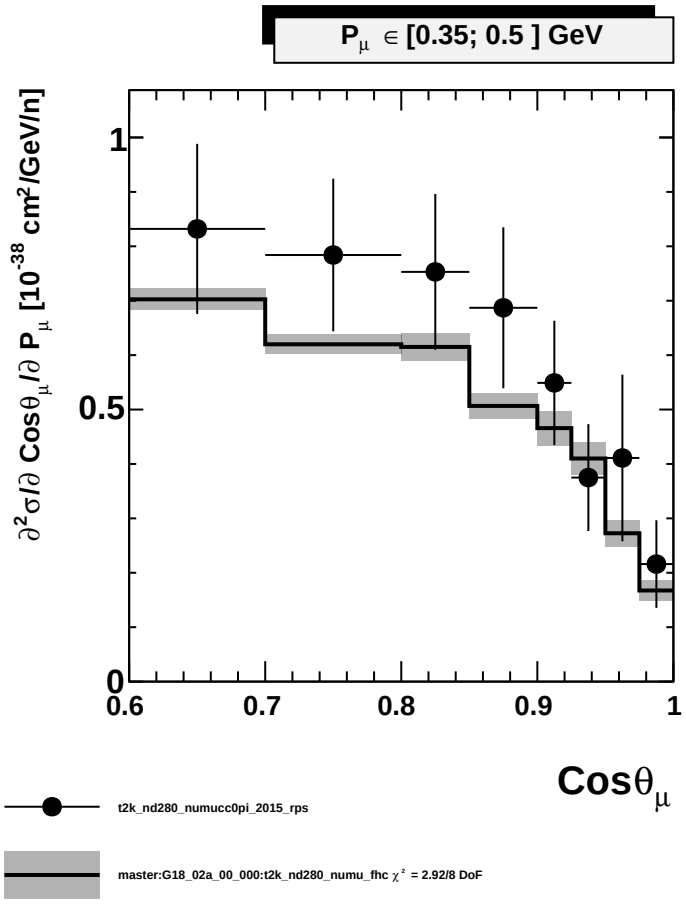
χ^2 = 79.2588/80 DoF

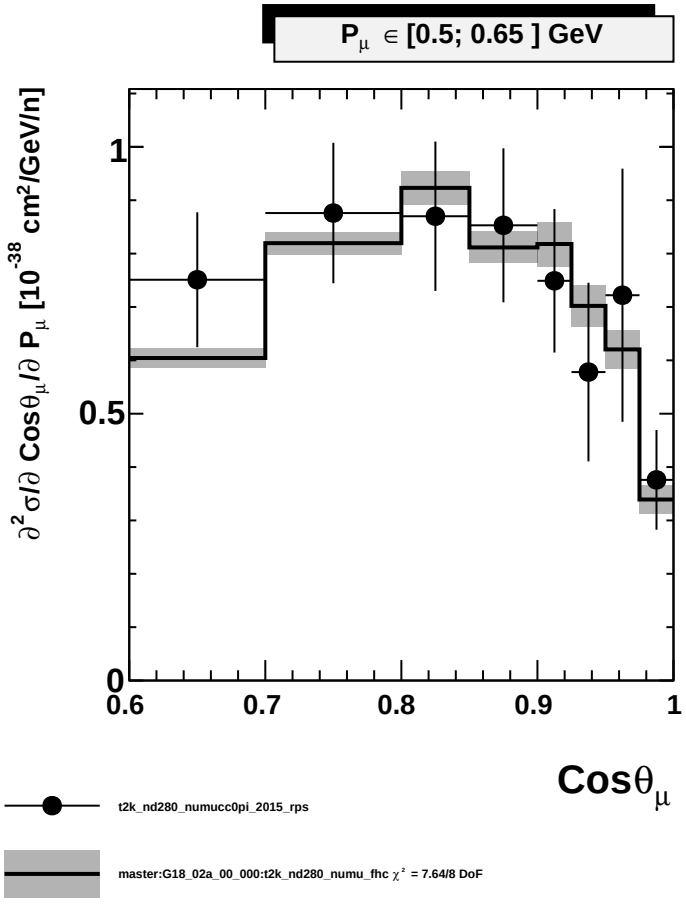


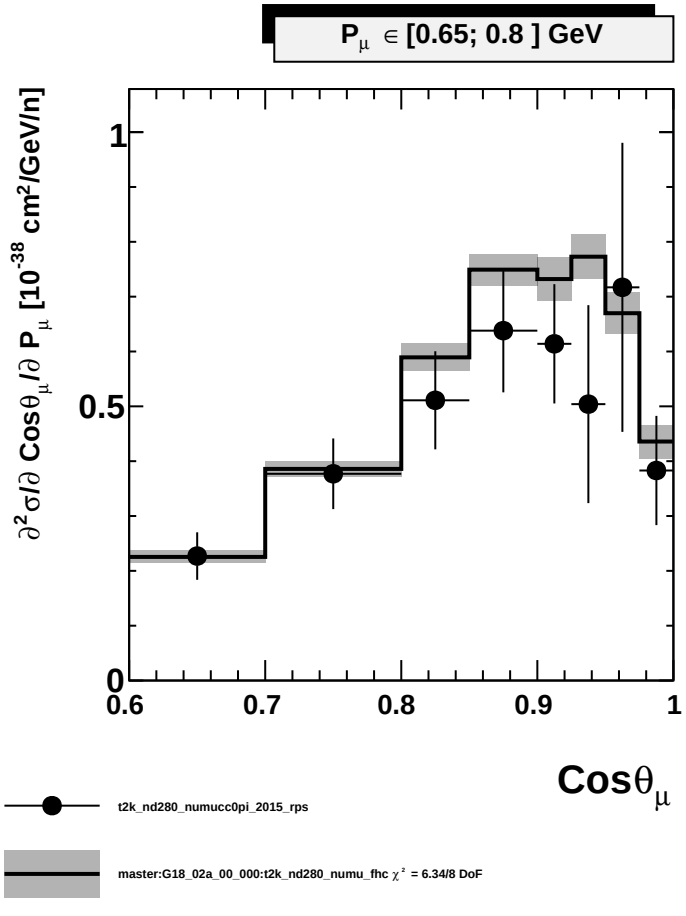


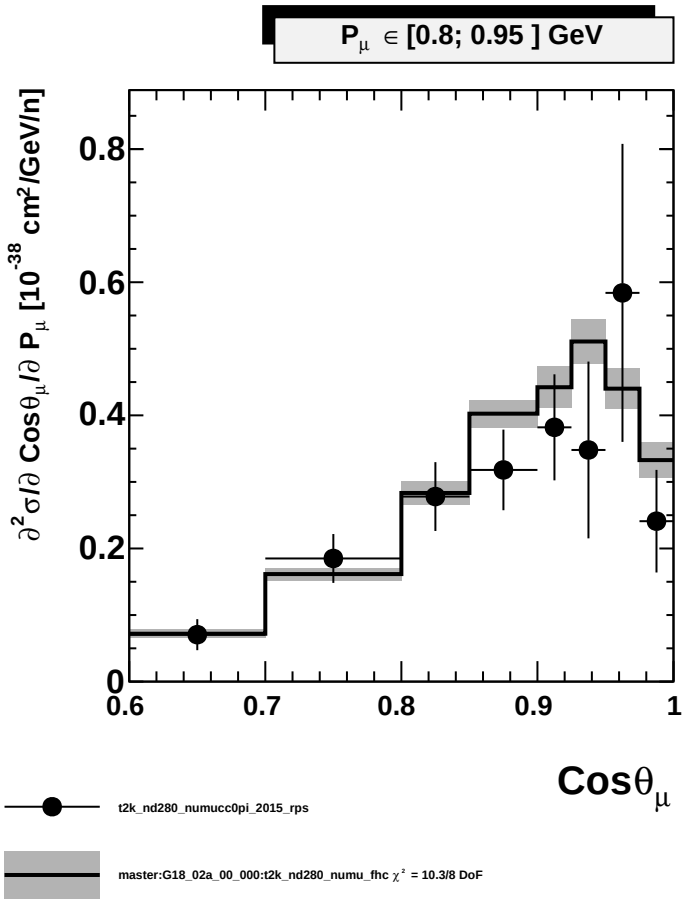


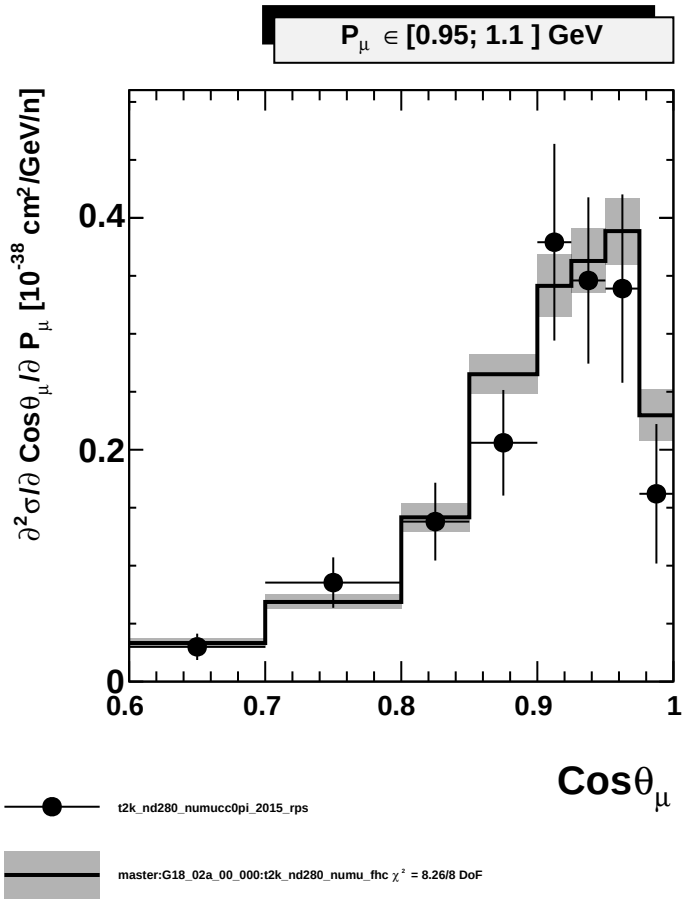

$P_\mu \in [0.2; 0.35]$ GeV
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu/\partial P_\mu$ [10^{-38} cm^2/GeV/n]
0
0.2
0.4
0.6
0.7
0.8
0.9
1
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 3.14/8 DoF

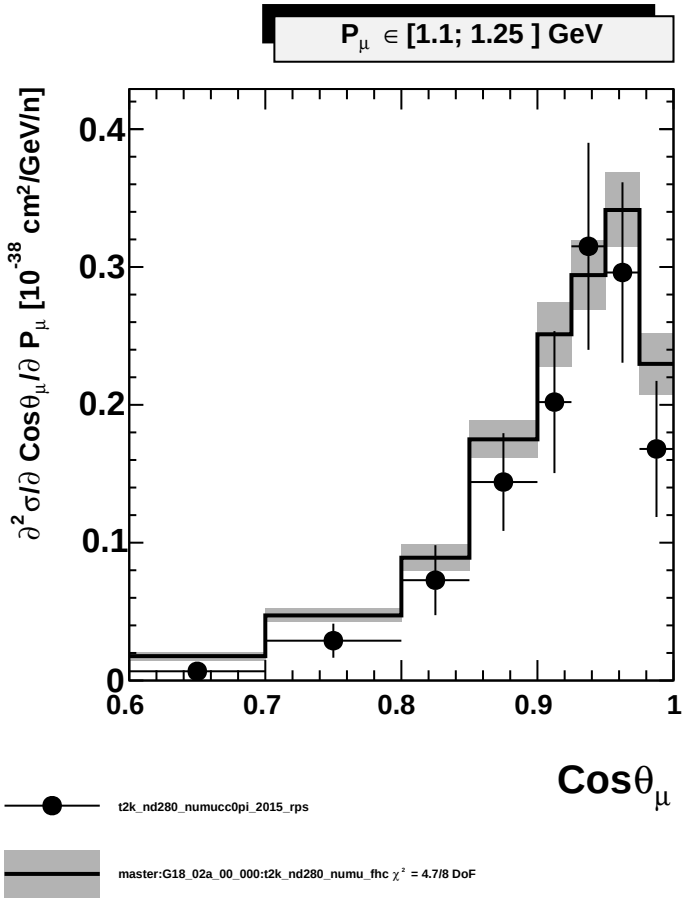

$P_\mu \in [0.35; 0.5]$ GeV
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu/\partial P_\mu$ [10^{-38} cm^2/GeV/n]
0
0.5
1
0.6
0.7
0.8
0.9
1
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 2.92/8 DoF

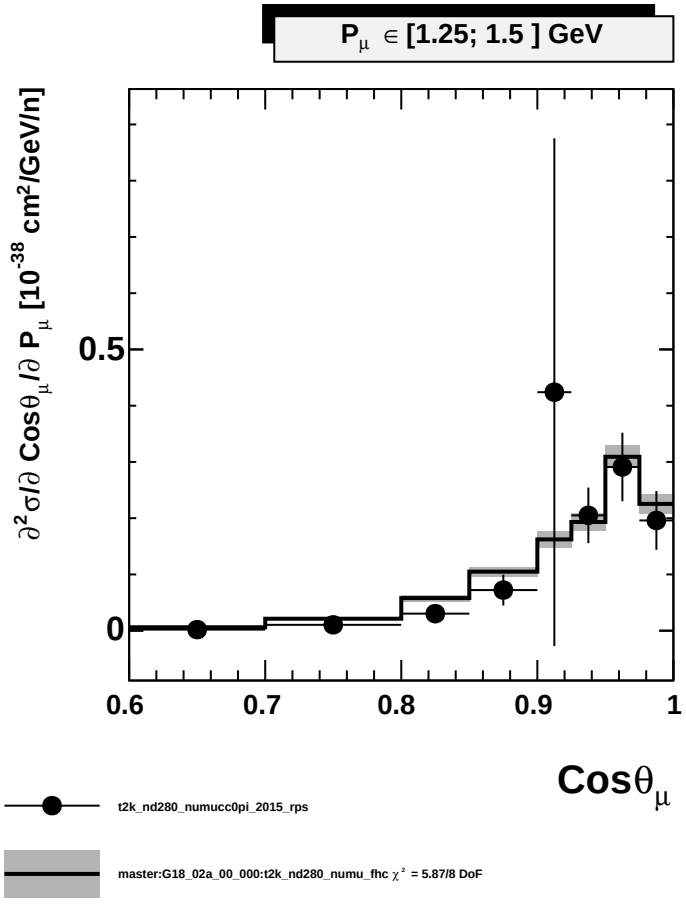

$P_\mu \in [0.5; 0.65]$ GeV
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu/\partial P_\mu$ [10^{-38} cm^2/GeV/n]
0
0.5
1
0.6
0.7
0.8
0.9
1
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 7.64/8 DoF

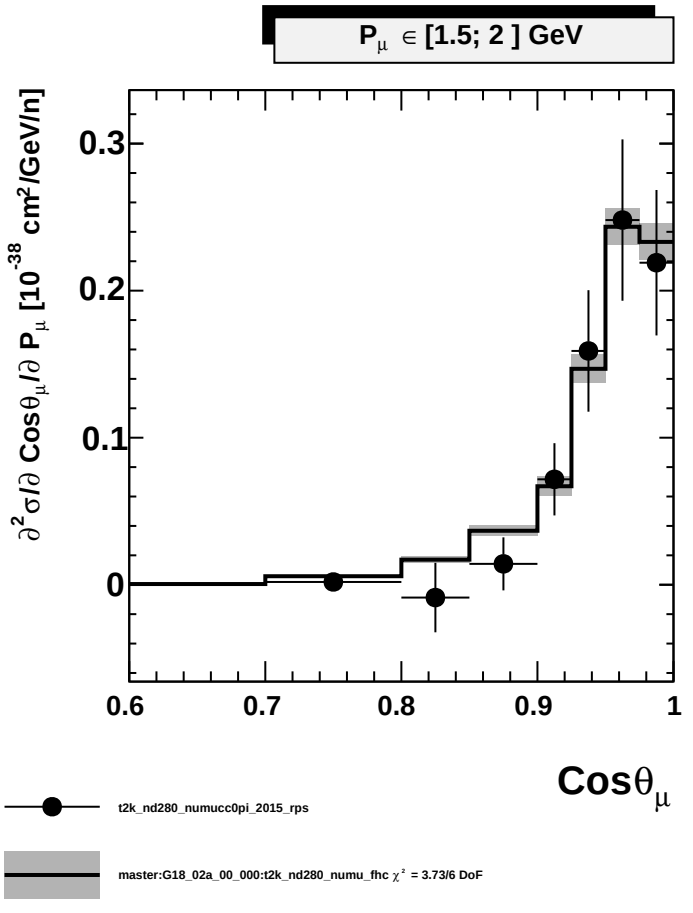

$P_\mu \in [0.65; 0.8]$ GeV
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu/\partial P_\mu$ [10^{-38} cm^2/GeV/n]
0
0.5
1
0.6
0.7
0.8
0.9
1
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 6.34/8 DoF

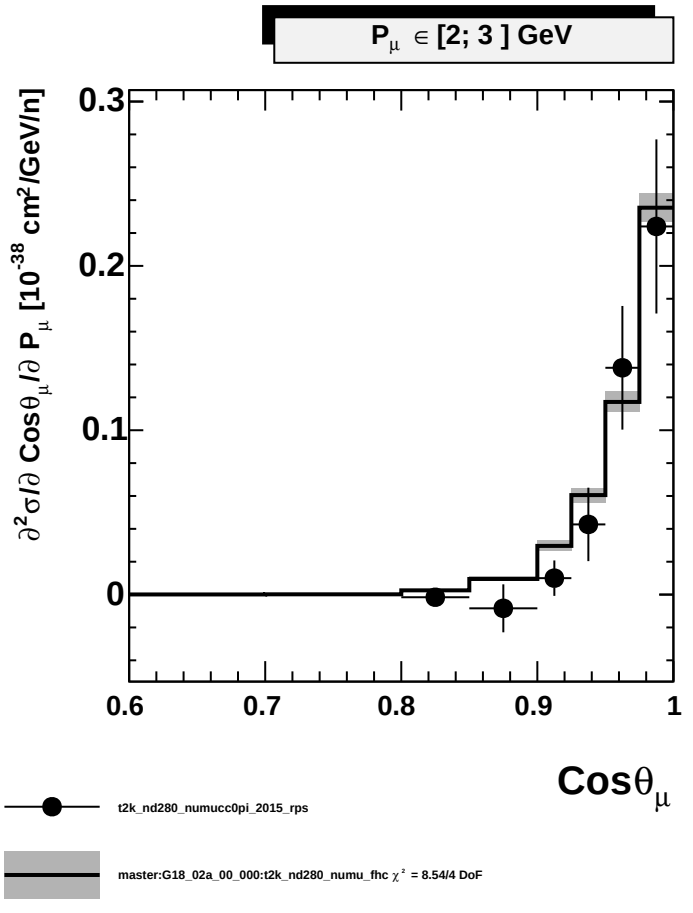

$P_\mu \in [0.8; 0.95]$ GeV
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu/\partial P_\mu$ [10^{-38} cm^2/GeV/n]
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 10.3/8 DoF

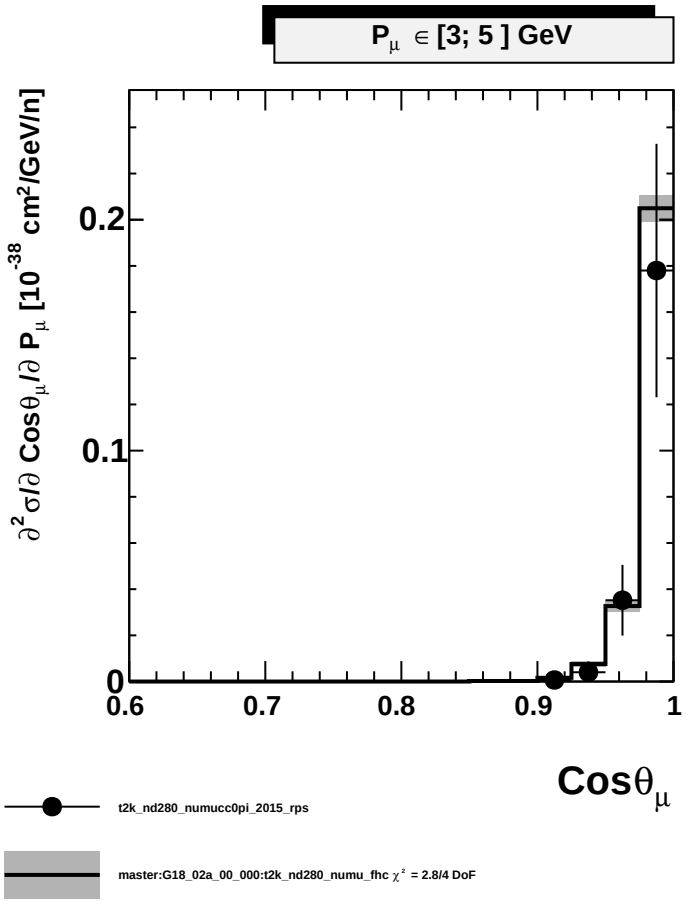

$P_\mu \in [0.95; 1.1]$ GeV
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu/\partial P_\mu$ [10^{-38} cm^2/GeV/n]
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 8.26/8 DoF

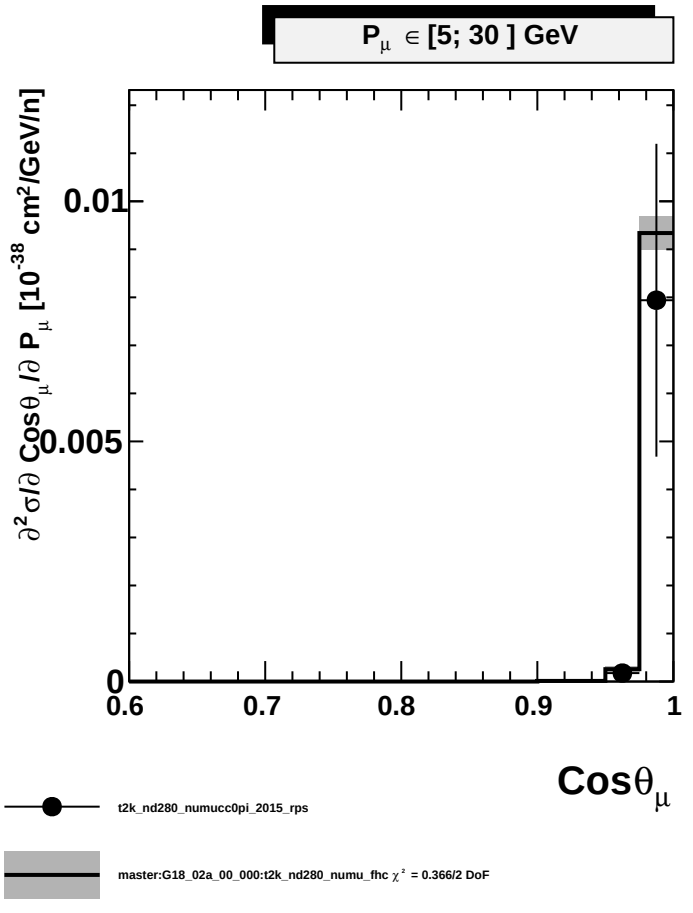

$P_\mu \in [1.1; 1.25]$ GeV
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu/\partial P_\mu$ [10^{-38} cm^2/GeV/n]
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 4.7/8 DoF

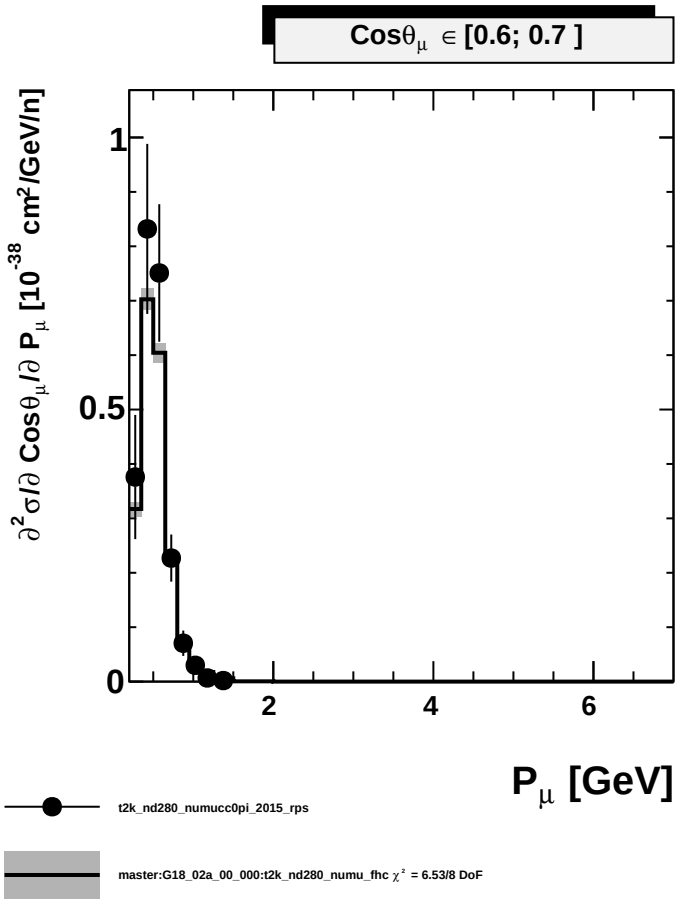

$P_\mu \in [1.25; 1.5]$ GeV
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu/\partial P_\mu$ [10^{-38} cm^2/GeV/n]
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 5.87/8 DoF

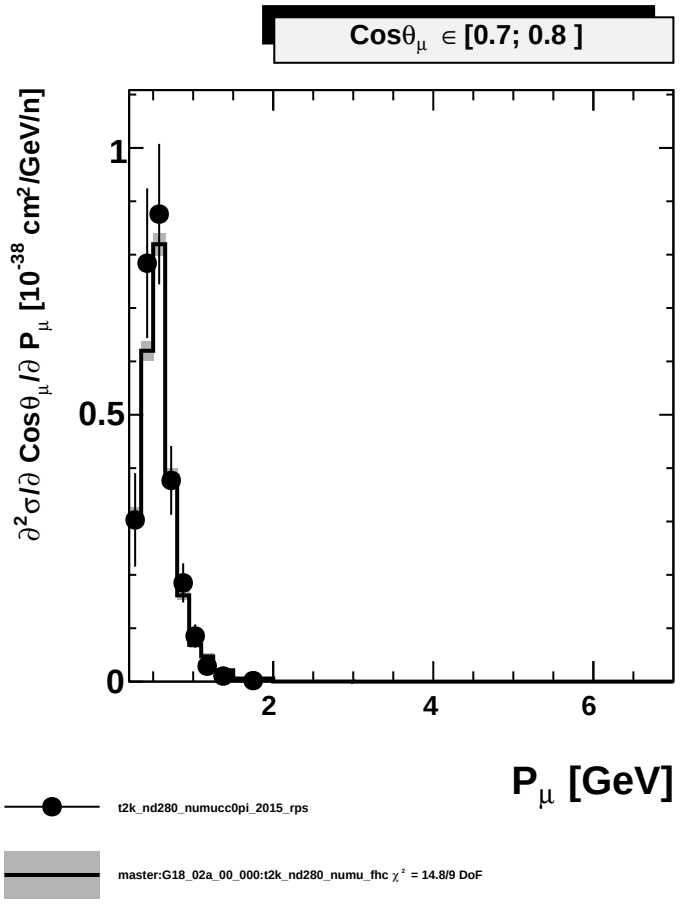

$P_\mu \in [1.5; 2]$ GeV
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu/\partial P_\mu$ [10^{-38} cm^2/GeV/n]
0.3
0.2
0.1
0
0.6
0.7
0.8
0.9
1
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 3.73/6 DoF

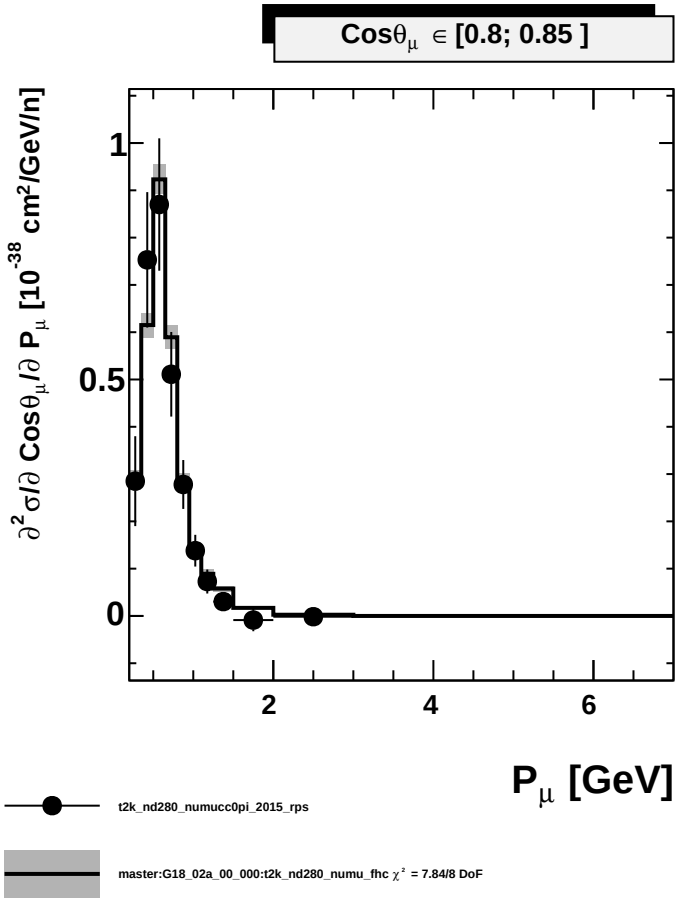

$P_\mu \in [2; 3]$ GeV
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu/\partial P_\mu$ [10^{-38} cm^2/GeV/n]
0.3
0.2
0.1
0
0.6
0.7
0.8
0.9
1
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 8.54/4 DoF

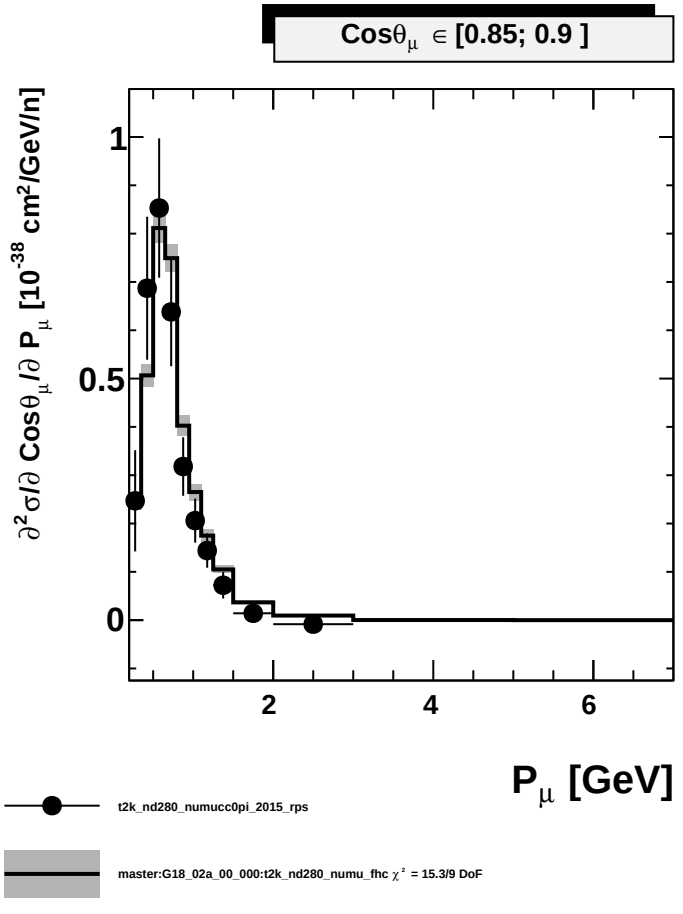

$P_\mu \in [3; 5]$ GeV
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu/\partial P_\mu$ [10^{-38} cm^2/GeV/n]
0.2
0.1
0
0.6
0.7
0.8
0.9
1
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 2.8/4 DoF

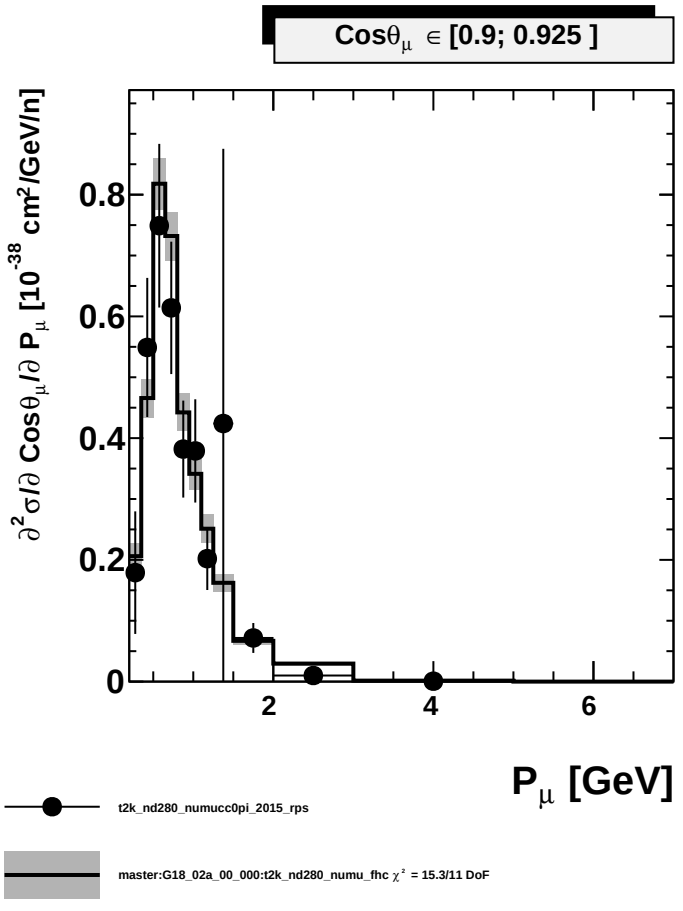

$P_\mu \in [5; 30]$ GeV
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu/\partial P_\mu$ [10^{-38} cm^2/GeV/n]
0.01
0.005
0
0.6
0.7
0.8
0.9
1
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 0.366/2 DoF

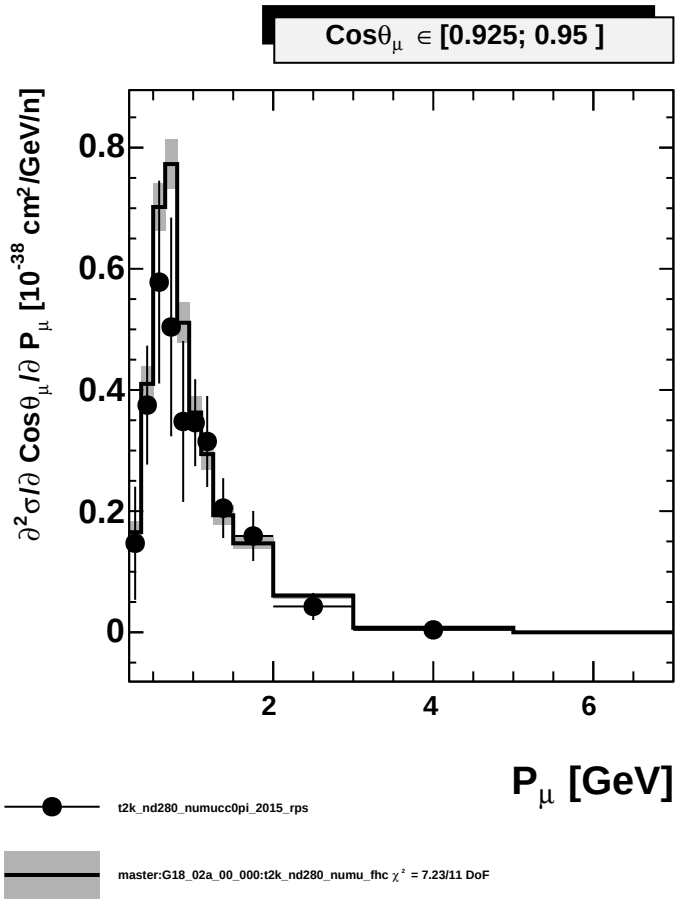

Cosθμ ∈ [0.6; 0.7]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
Pμ [GeV]
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 6.53/8 DoF

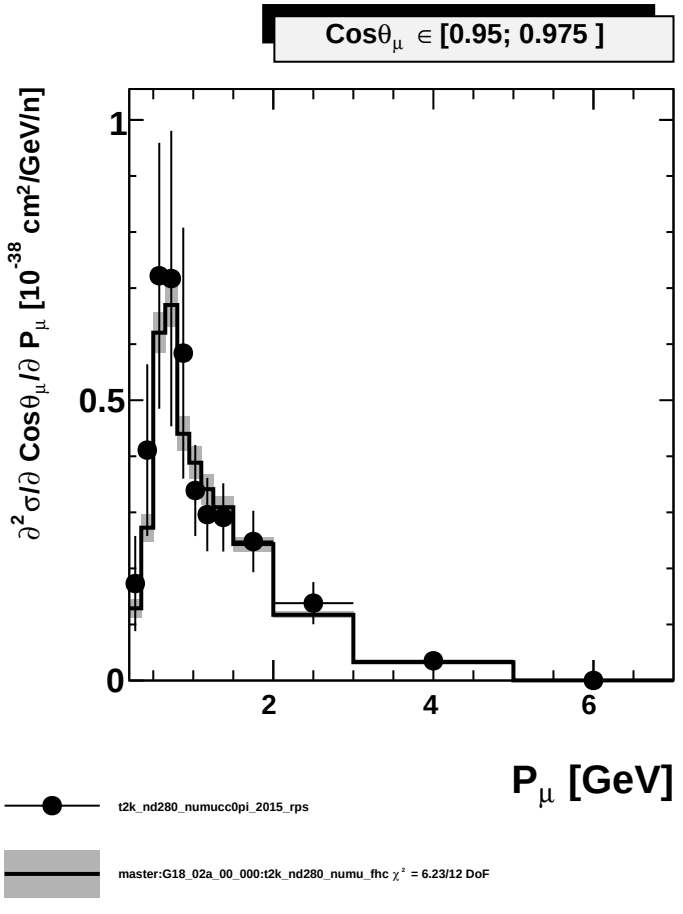

Cosθμ ∈ [0.7; 0.8]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
Pμ [GeV]
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 14.8/9 DoF

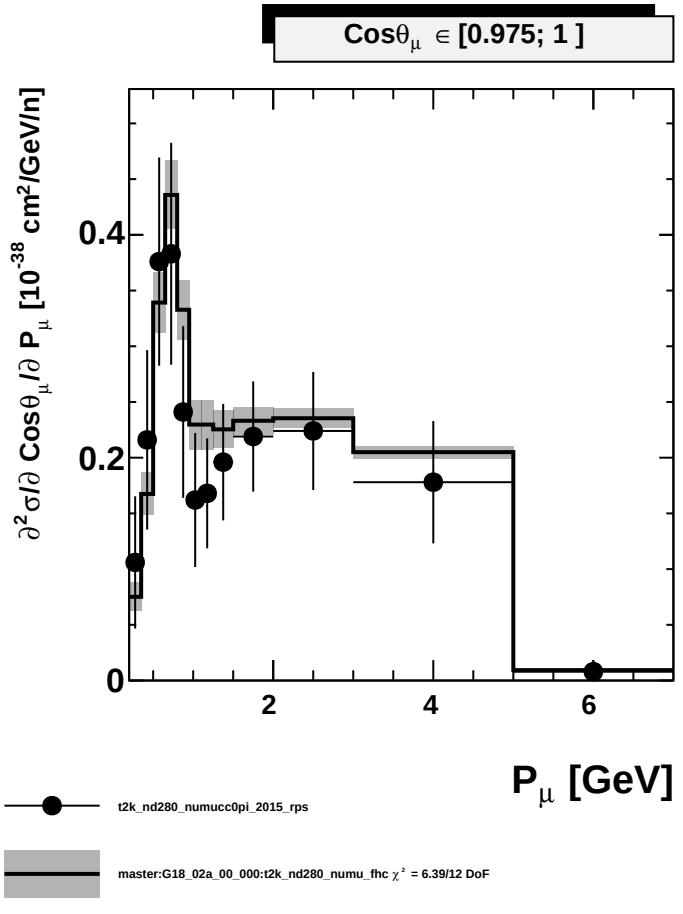

Cosθμ ∈ [0.8; 0.85]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
Pμ [GeV]
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 7.84/8 DoF

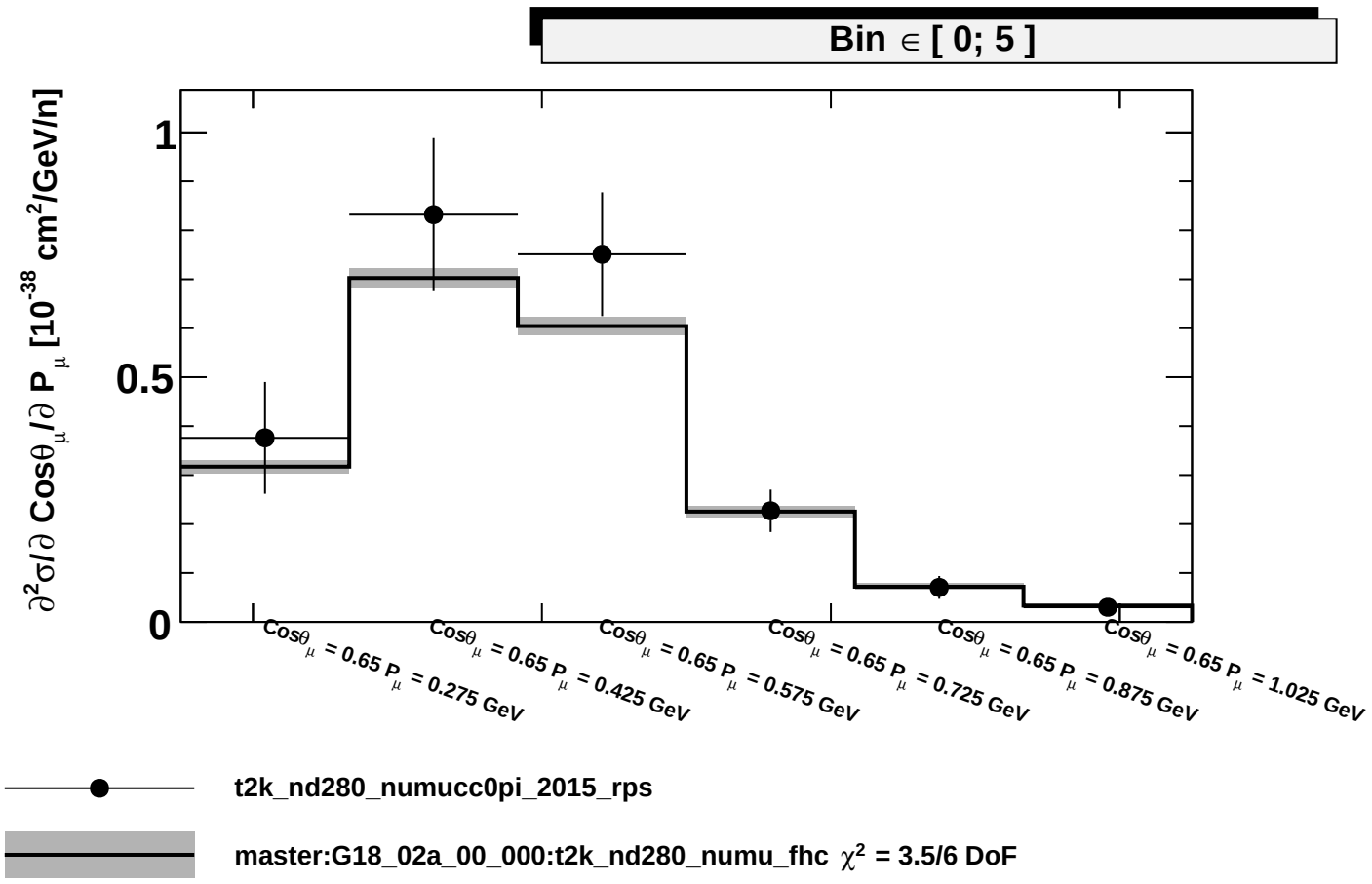

Cosθμ ∈ [0.85; 0.9]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
Pμ [GeV]
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 15.3/9 DoF

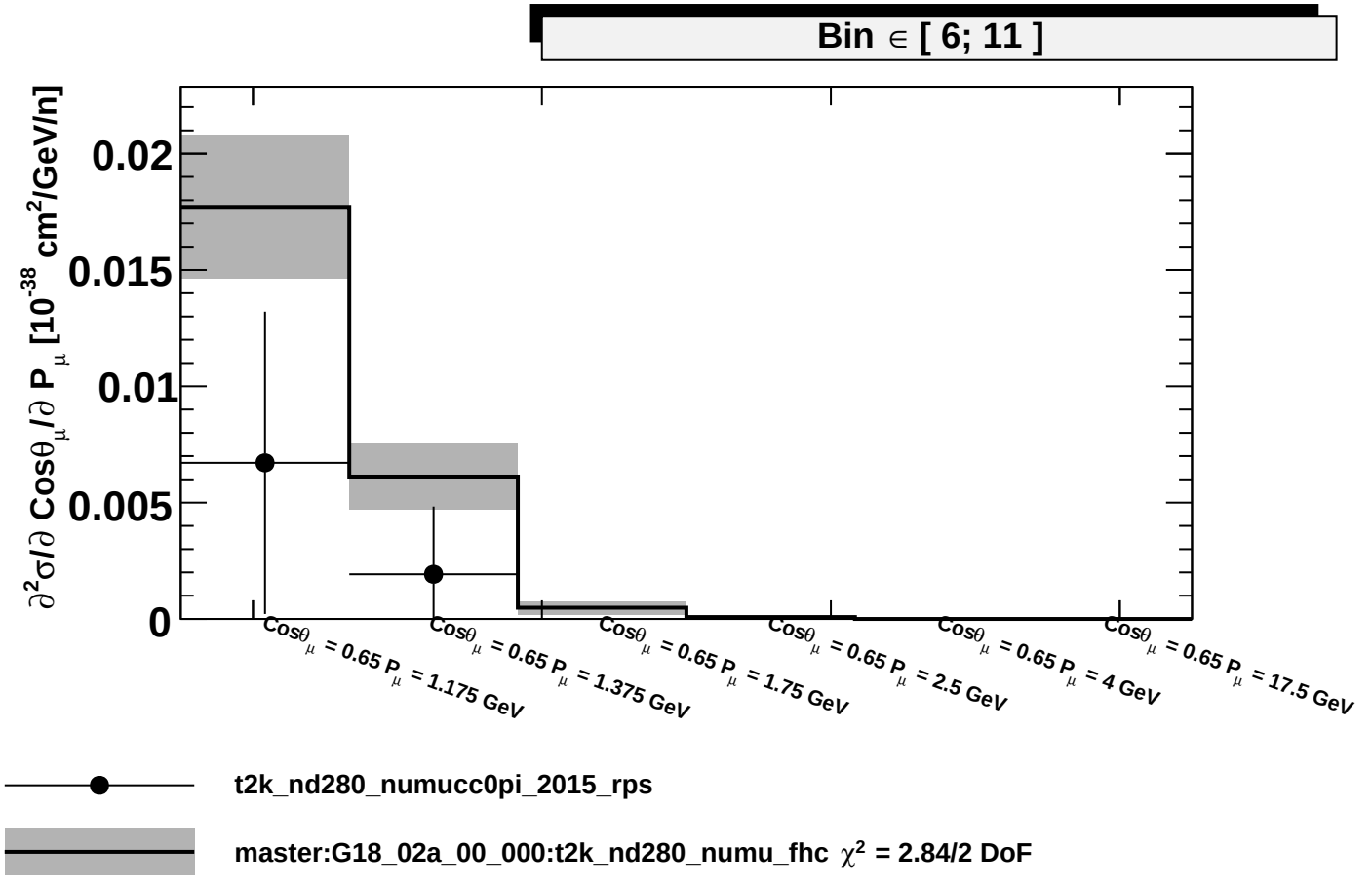

Cosθμ ∈ [0.9; 0.925]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
Pμ [GeV]
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 15.3/11 DoF

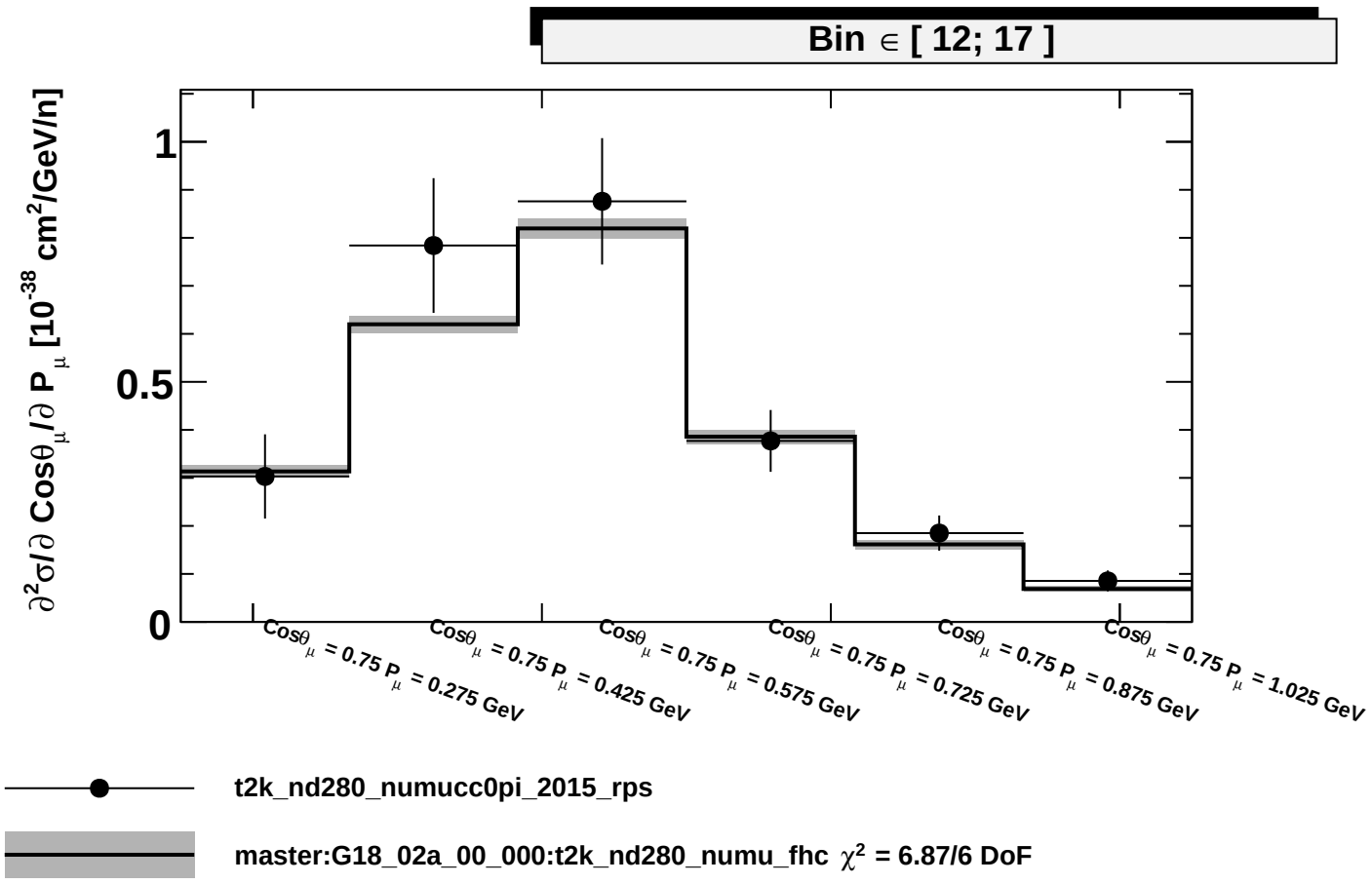

Cosθμ ∈ [0.925; 0.95]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
Pμ [GeV]
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 7.23/11 DoF

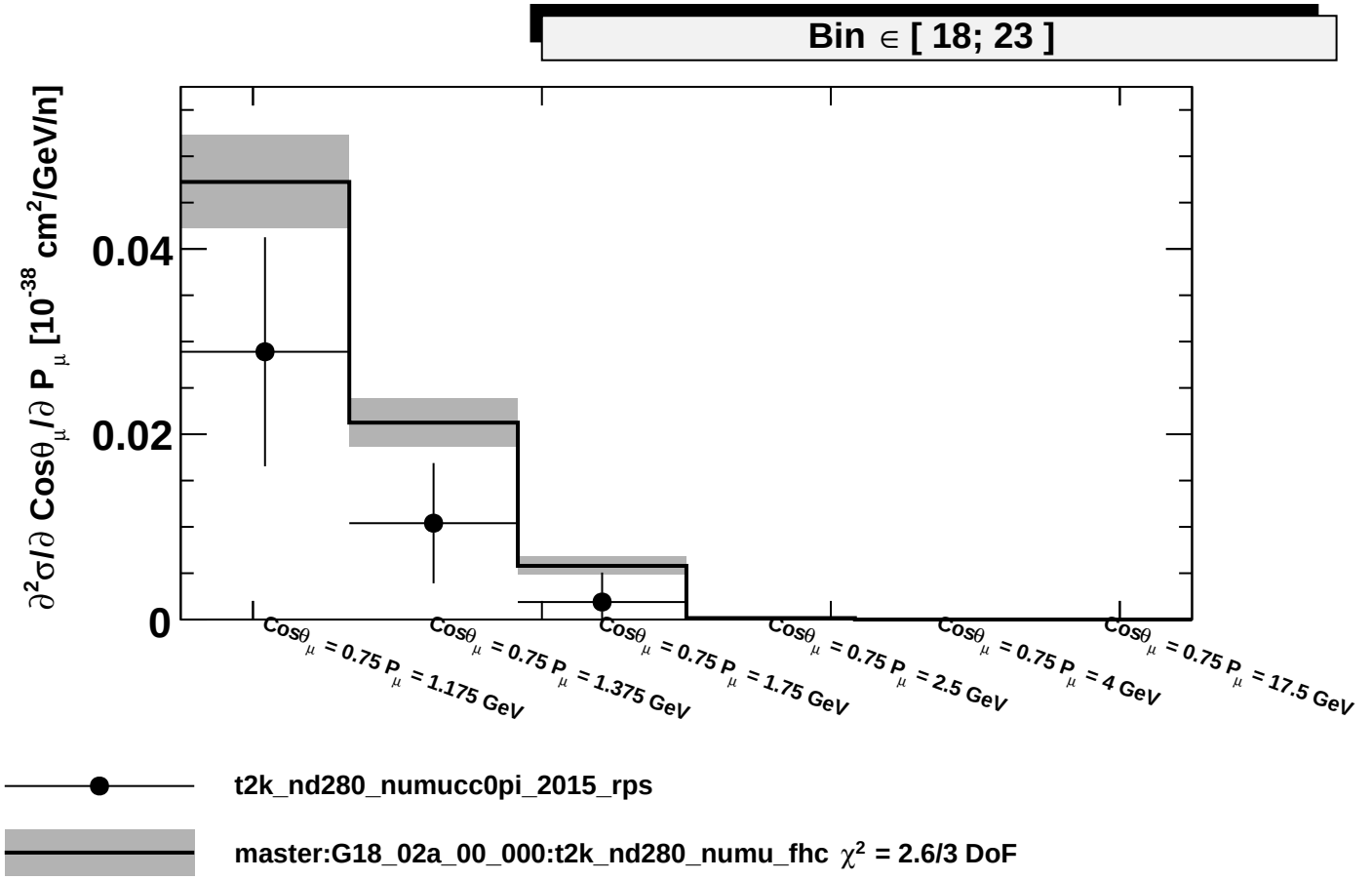

Cosθμ ∈ [0.95; 0.975]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
Pμ [GeV]
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 6.23/12 DoF

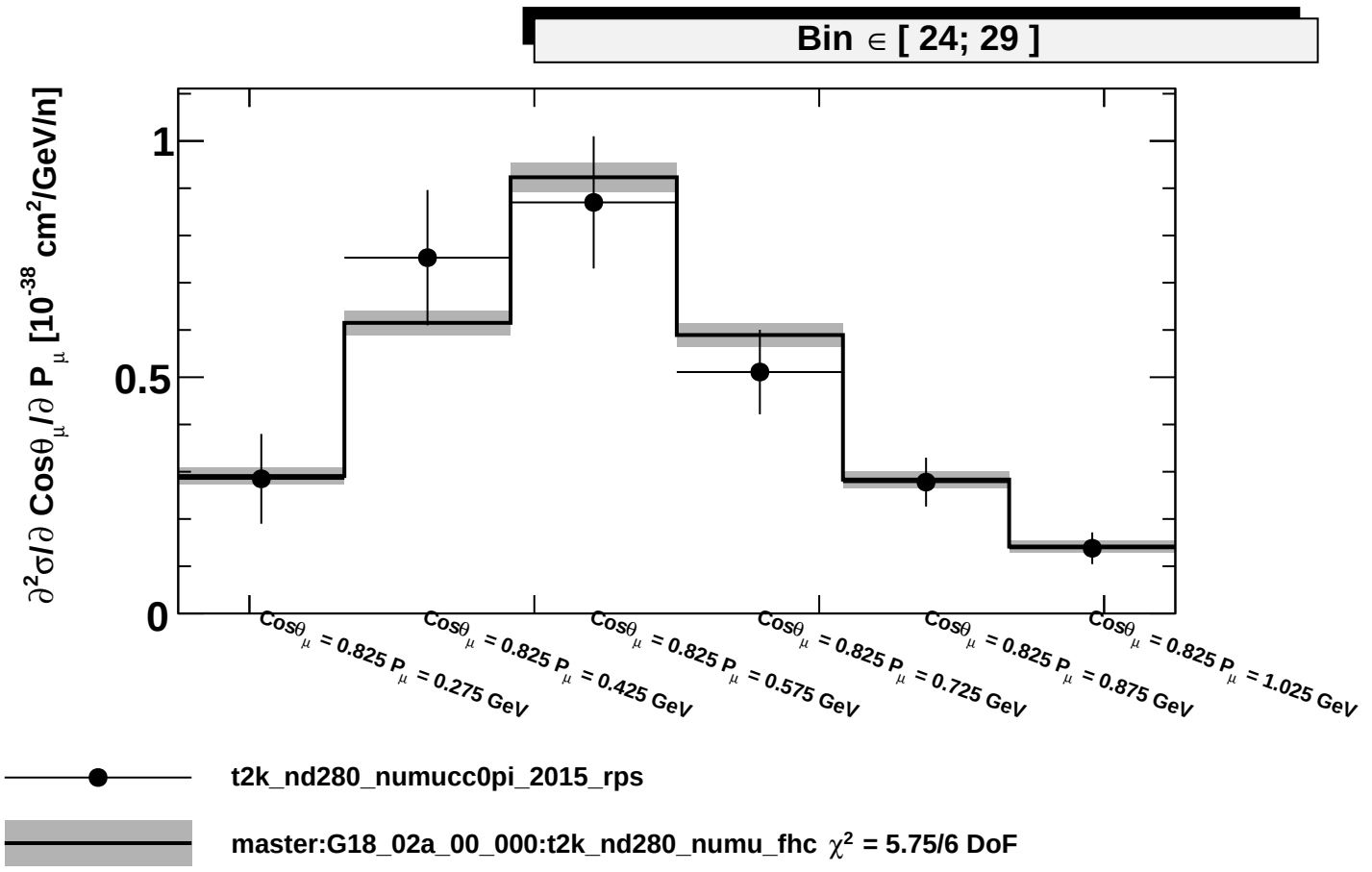

Cosθμ ∈ [0.975; 1]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
Pμ [GeV]
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 6.39/12 DoF

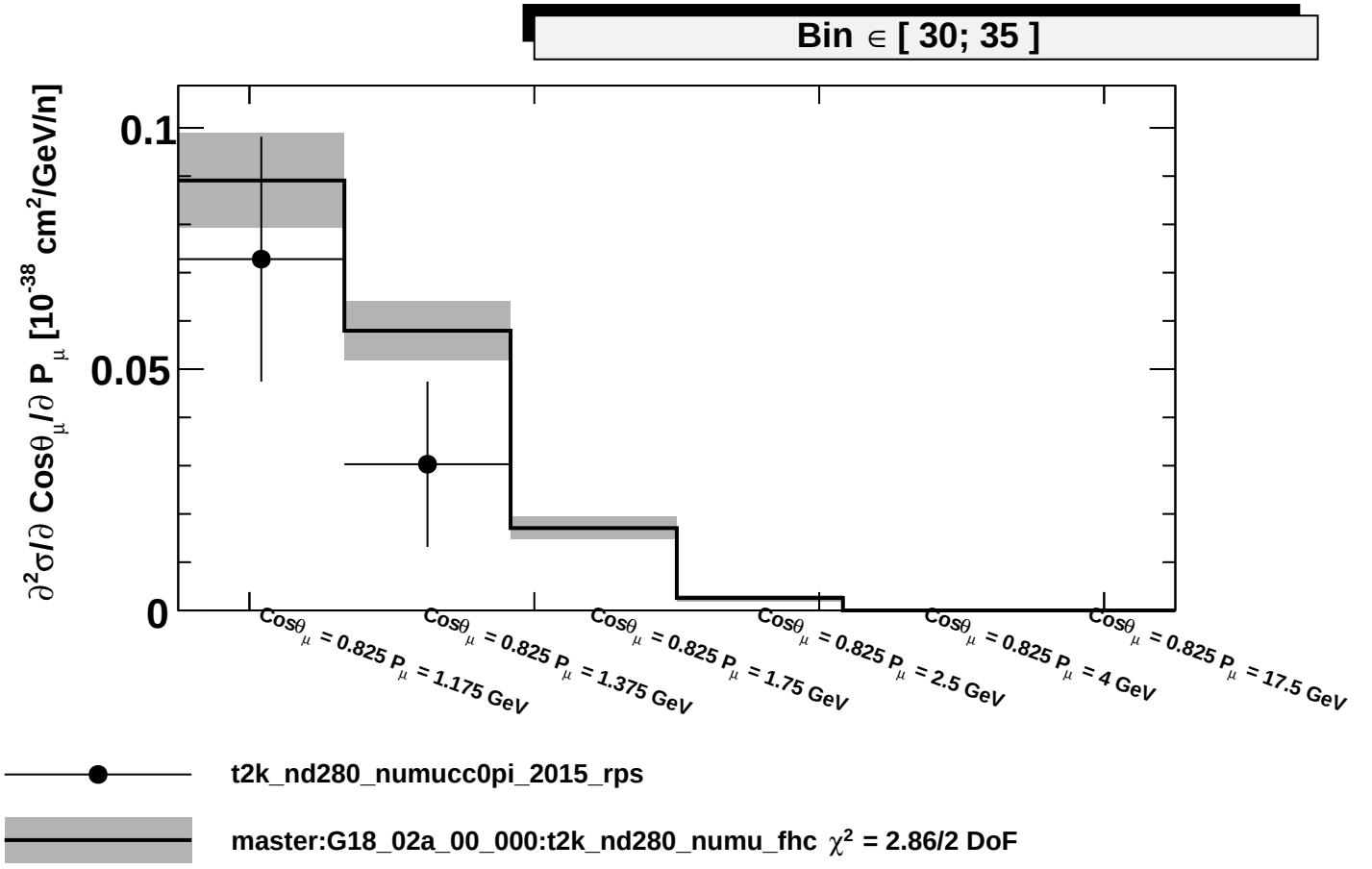

Bin ∈ [0; 5]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
1
0.5
0
$\mathrm{Cos}\theta_\mu$ = 0.65 P_μ = 0.275 GeV
$\mathrm{Cos}\theta_\mu$ = 0.65 P_μ = 0.425 GeV
$\mathrm{Cos}\theta_\mu$ = 0.65 P_μ = 0.575 GeV
$\mathrm{Cos}\theta_\mu$ = 0.65 P_μ = 0.725 GeV
$\mathrm{Cos}\theta_\mu$ = 0.65 P_μ = 0.875 GeV
$\mathrm{Cos}\theta_\mu$ = 0.65 P_μ = 1.025 GeV
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 3.5/6 DoF

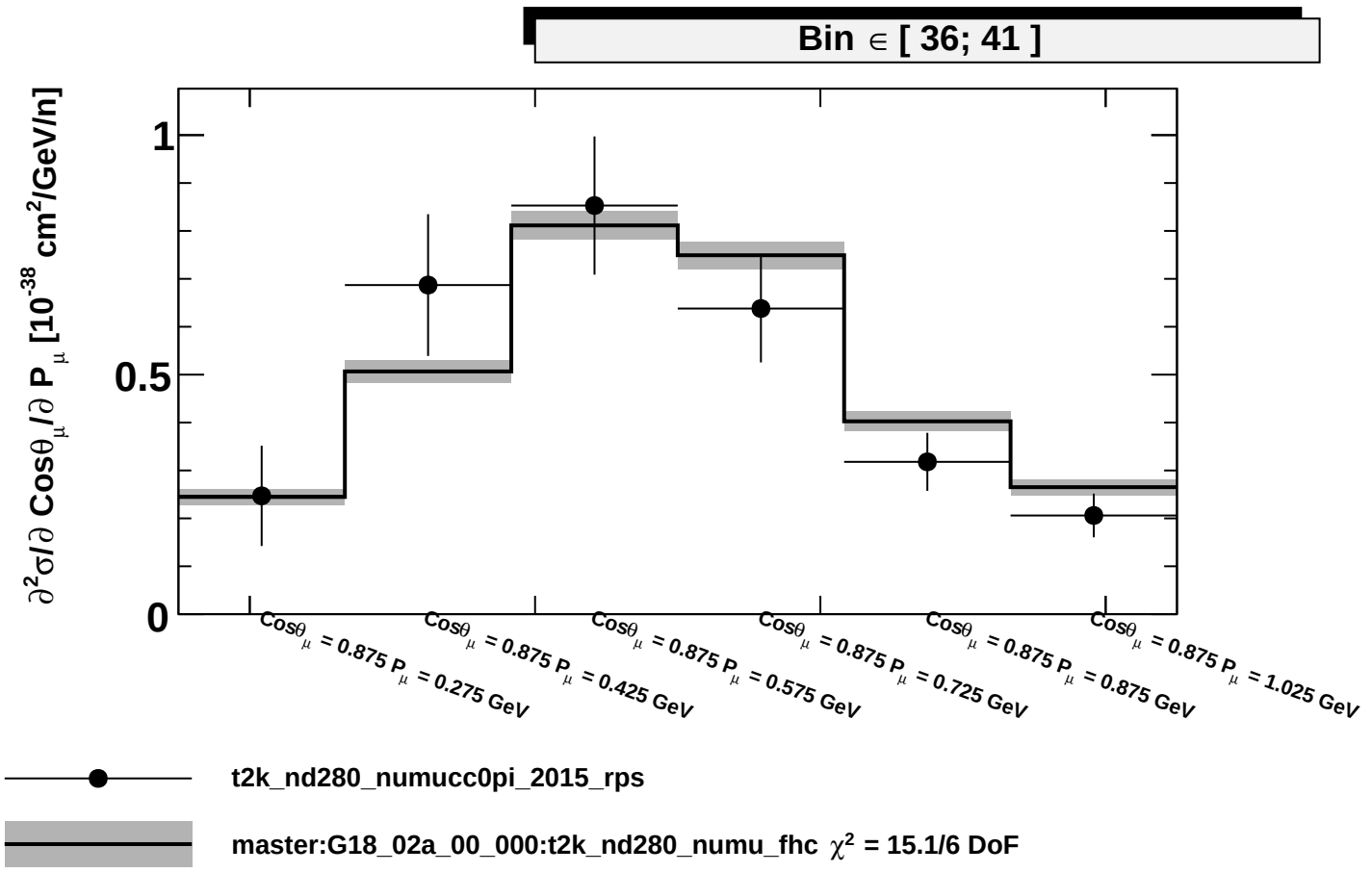

Bin ∈ [6; 11]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
0.02
0.015
0.01
0.005
0
$\mathrm{Cos}\theta_\mu$ = 0.65 P_μ = 1.175 GeV
$\mathrm{Cos}\theta_\mu$ = 0.65 P_μ = 1.375 GeV
$\mathrm{Cos}\theta_\mu$ = 0.65 P_μ = 1.75 GeV
$\mathrm{Cos}\theta_\mu$ = 0.65 P_μ = 2.5 GeV
$\mathrm{Cos}\theta_\mu$ = 0.65 P_μ = 4 GeV
$\mathrm{Cos}\theta_\mu$ = 0.65 P_μ = 17.5 GeV
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 2.84/2 DoF

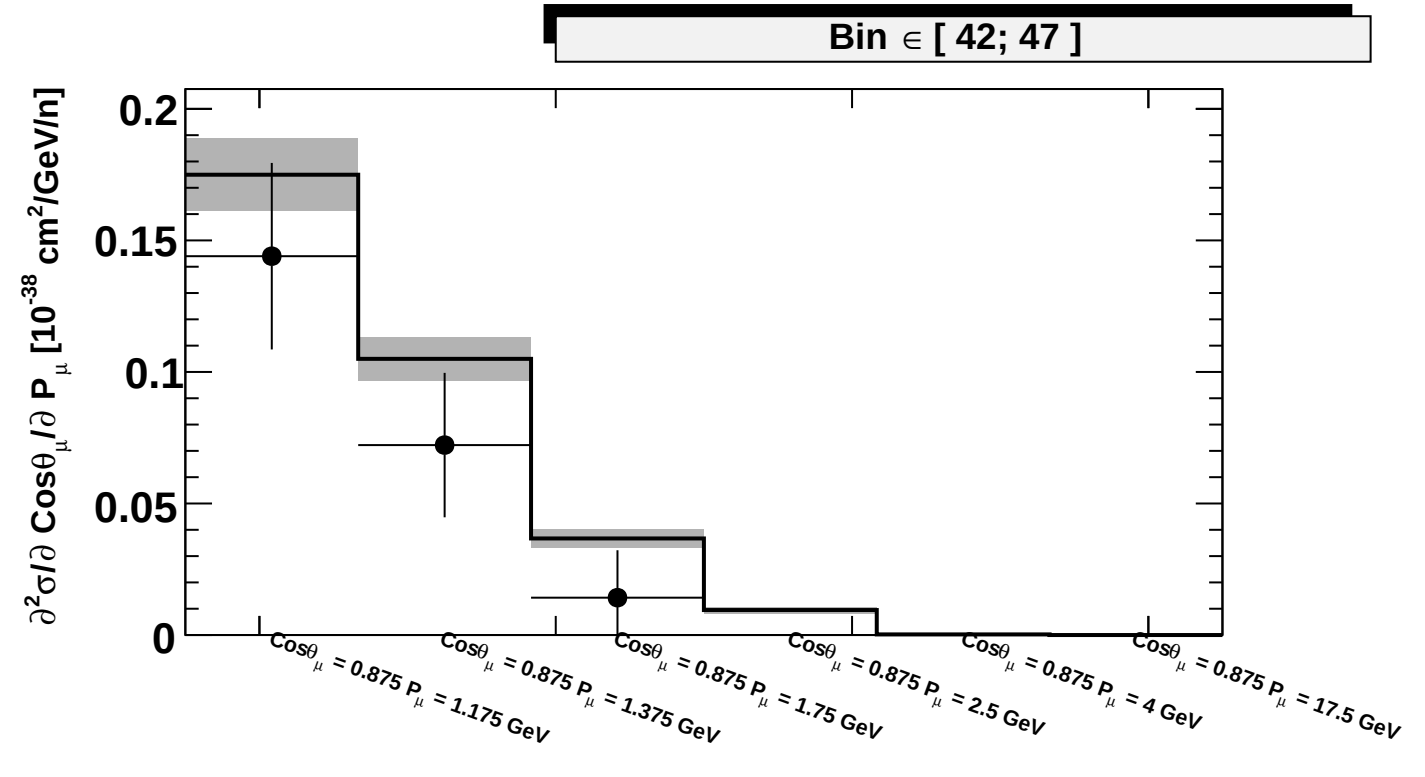

Bin ∈ [12; 17]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
1
0.5
0
$\mathrm{Cos}\theta_\mu$ = 0.75 P_μ = 0.275 GeV
$\mathrm{Cos}\theta_\mu$ = 0.75 P_μ = 0.425 GeV
$\mathrm{Cos}\theta_\mu$ = 0.75 P_μ = 0.575 GeV
$\mathrm{Cos}\theta_\mu$ = 0.75 P_μ = 0.725 GeV
$\mathrm{Cos}\theta_\mu$ = 0.75 P_μ = 0.875 GeV
$\mathrm{Cos}\theta_\mu$ = 0.75 P_μ = 1.025 GeV
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 6.87/6 DoF

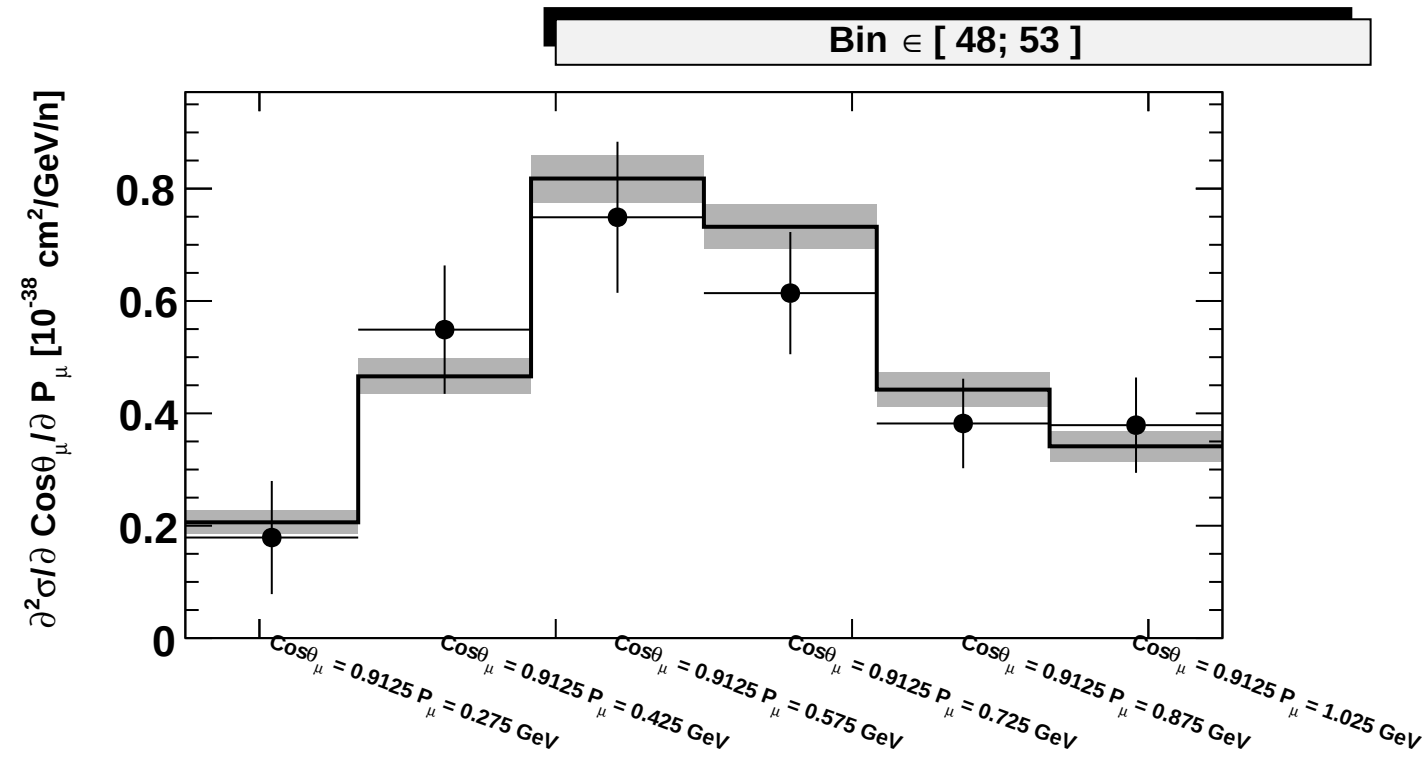

Bin ∈ [18; 23]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
0.04
0.02
0
$\mathrm{Cos}\theta_\mu$ = 0.75 P_μ = 1.175 GeV
$\mathrm{Cos}\theta_\mu$ = 0.75 P_μ = 1.375 GeV
$\mathrm{Cos}\theta_\mu$ = 0.75 P_μ = 1.75 GeV
$\mathrm{Cos}\theta_\mu$ = 0.75 P_μ = 2.5 GeV
$\mathrm{Cos}\theta_\mu$ = 0.75 P_μ = 4 GeV
$\mathrm{Cos}\theta_\mu$ = 0.75 P_μ = 17.5 GeV
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 2.6/3 DoF

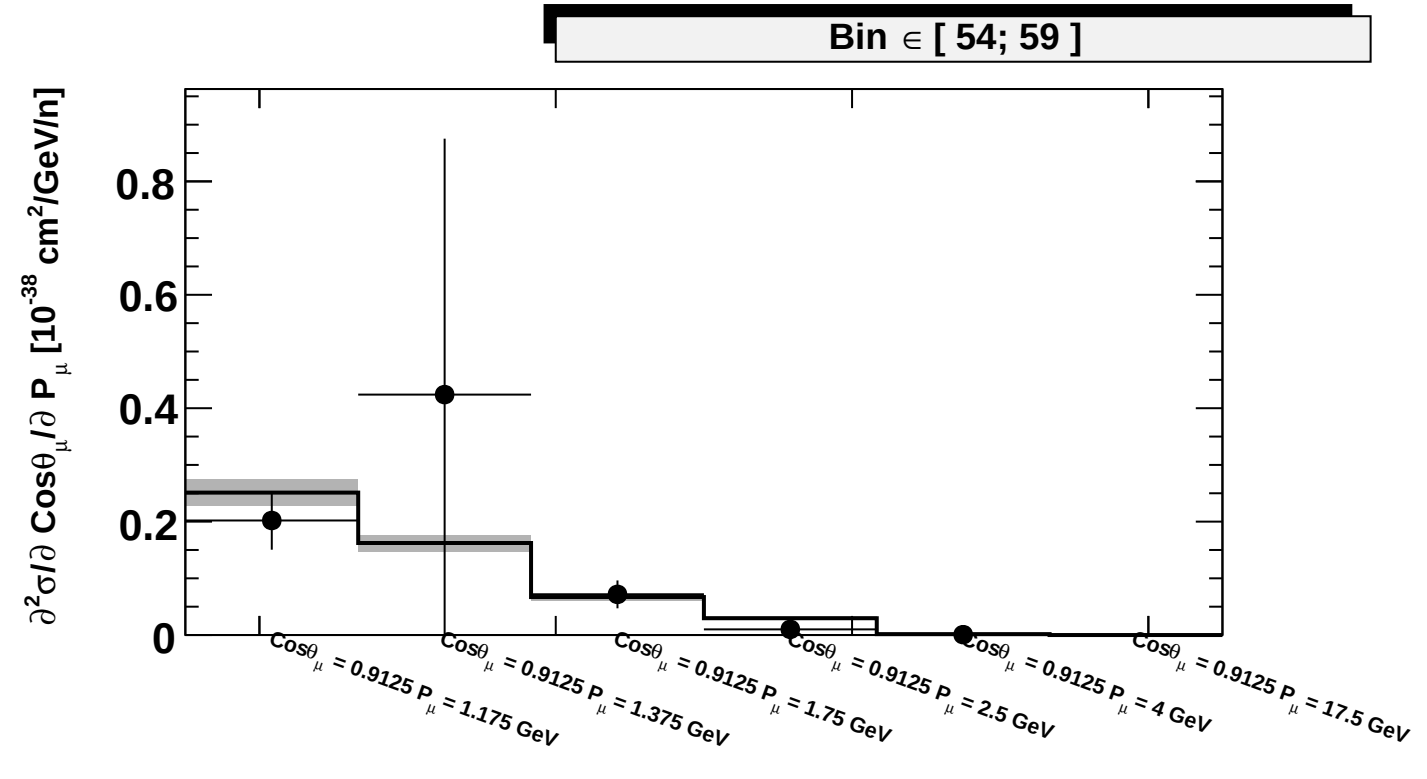

Bin ∈ [24; 29]
$\partial^2\sigma/\partial$ Cosθ_μ /∂ P$_\mu$ [10^{-38} cm^2/GeV/n]
1
0.5
0
Cosθ_μ = 0.825 P$_\mu$ = 0.275 GeV
Cosθ_μ = 0.825 P$_\mu$ = 0.425 GeV
Cosθ_μ = 0.825 P$_\mu$ = 0.575 GeV
Cosθ_μ = 0.825 P$_\mu$ = 0.725 GeV
Cosθ_μ = 0.825 P$_\mu$ = 0.875 GeV
Cosθ_μ = 0.825 P$_\mu$ = 1.025 GeV
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 5.75/6 DoF

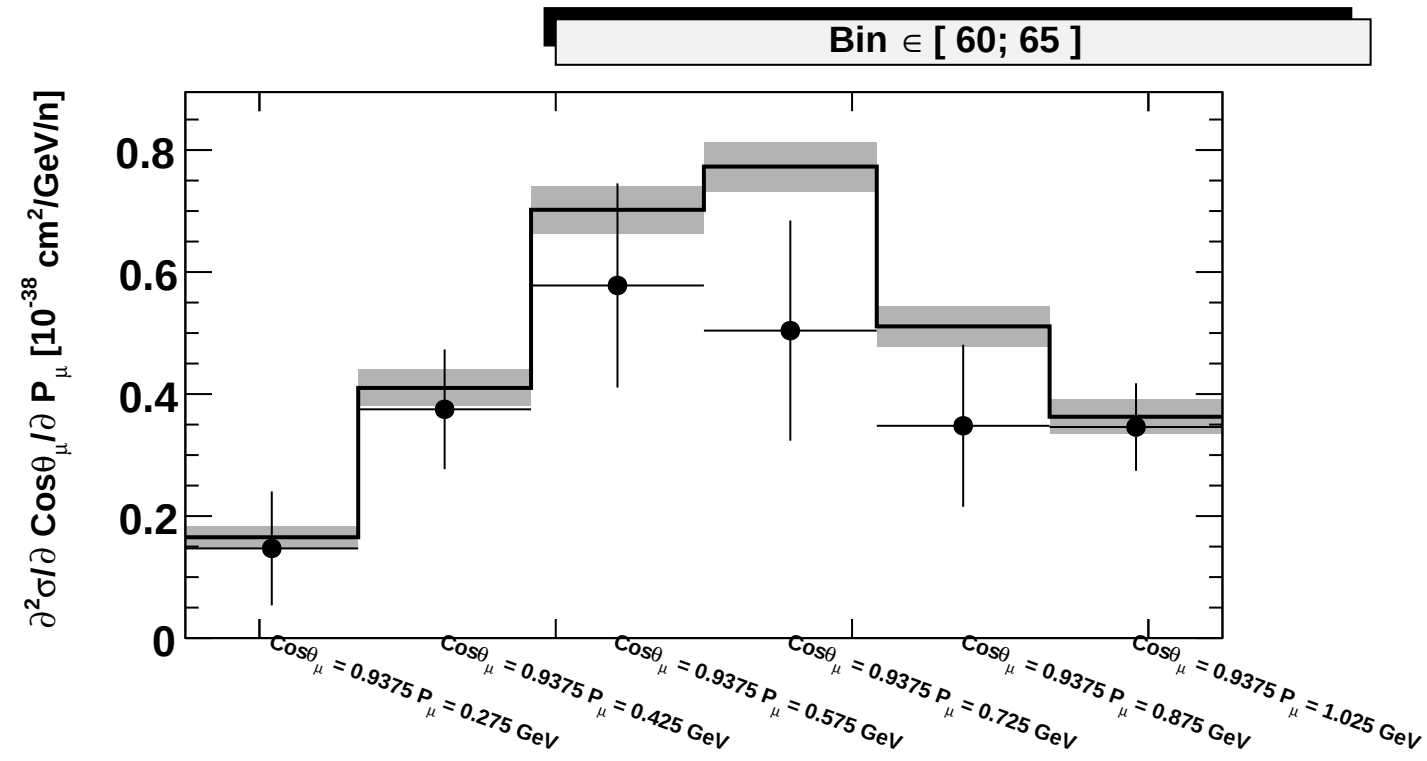

Bin ∈ [30; 35]
$\partial^2\sigma/\partial$ Cosθ_μ /∂ P$_\mu$ [10^{-38} cm^2/GeV/n]
0.1
0.05
0
Cosθ_μ = 0.825 P$_\mu$ = 1.175 GeV
Cosθ_μ = 0.825 P$_\mu$ = 1.375 GeV
Cosθ_μ = 0.825 P$_\mu$ = 1.75 GeV
Cosθ_μ = 0.825 P$_\mu$ = 2.5 GeV
Cosθ_μ = 0.825 P$_\mu$ = 4 GeV
Cosθ_μ = 0.825 P$_\mu$ = 17.5 GeV
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 2.86/2 DoF

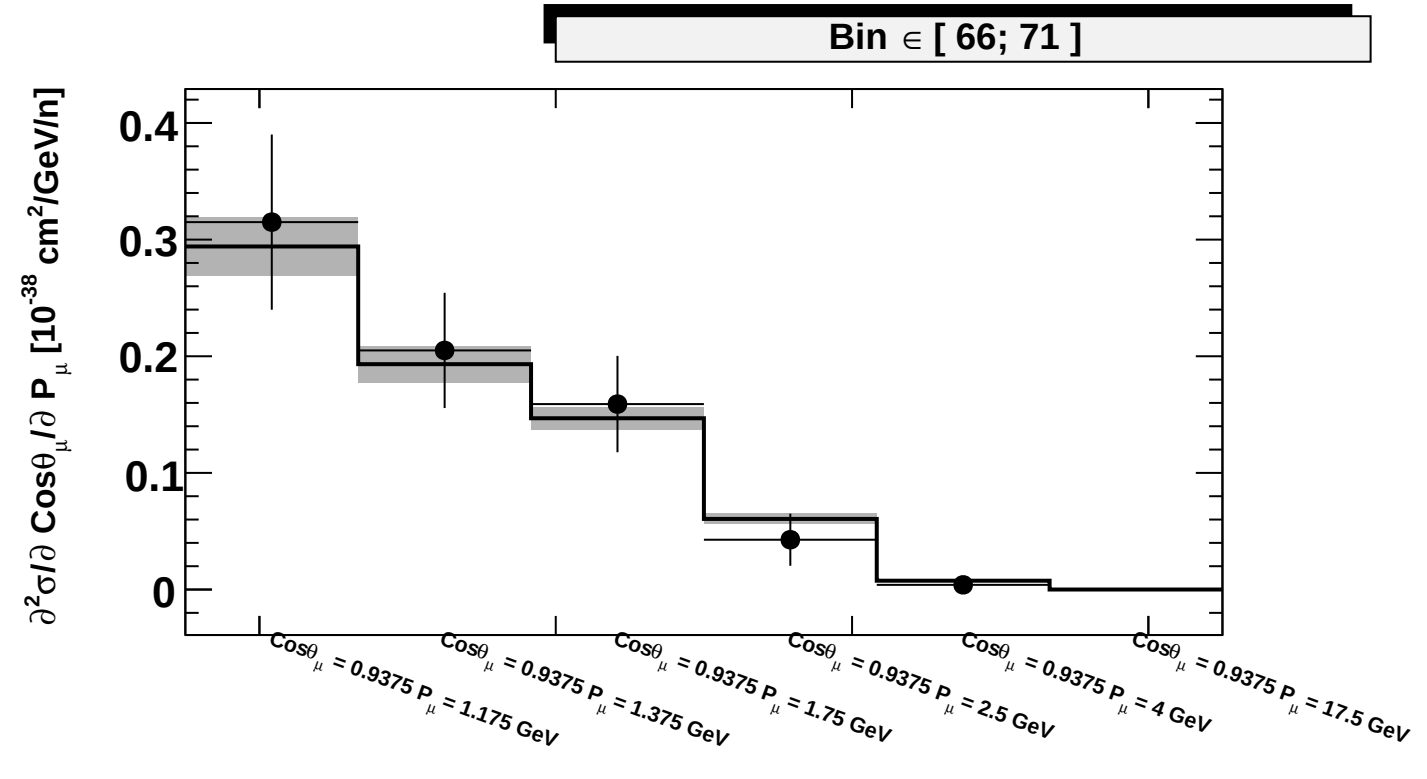

Bin ∈ [36; 41]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
1
0.5
0
$\mathrm{Cos}\theta_\mu$ = 0.875 P_μ = 0.275 GeV
$\mathrm{Cos}\theta_\mu$ = 0.875 P_μ = 0.425 GeV
$\mathrm{Cos}\theta_\mu$ = 0.875 P_μ = 0.575 GeV
$\mathrm{Cos}\theta_\mu$ = 0.875 P_μ = 0.725 GeV
$\mathrm{Cos}\theta_\mu$ = 0.875 P_μ = 0.875 GeV
$\mathrm{Cos}\theta_\mu$ = 0.875 P_μ = 1.025 GeV
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 15.1/6 DoF

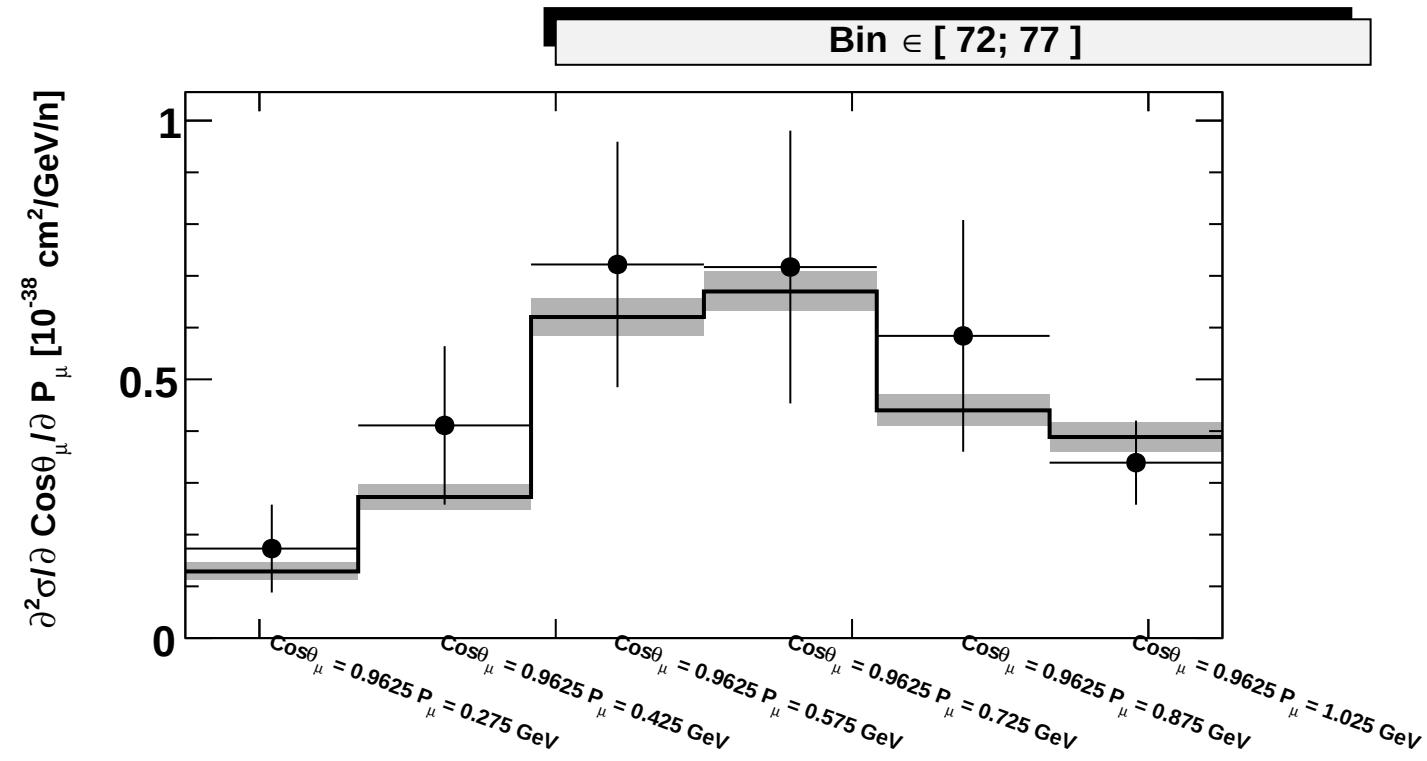

Bin ∈ [42; 47]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
0.2
0.15
0.1
0.05
0
$\mathrm{Cos}\theta_\mu$ = 0.875 P_μ = 1.175 GeV
$\mathrm{Cos}\theta_\mu$ = 0.875 P_μ = 1.375 GeV
$\mathrm{Cos}\theta_\mu$ = 0.875 P_μ = 1.75 GeV
$\mathrm{Cos}\theta_\mu$ = 0.875 P_μ = 2.5 GeV
$\mathrm{Cos}\theta_\mu$ = 0.875 P_μ = 4 GeV
$\mathrm{Cos}\theta_\mu$ = 0.875 P_μ = 17.5 GeV
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 1.7/3 DoF

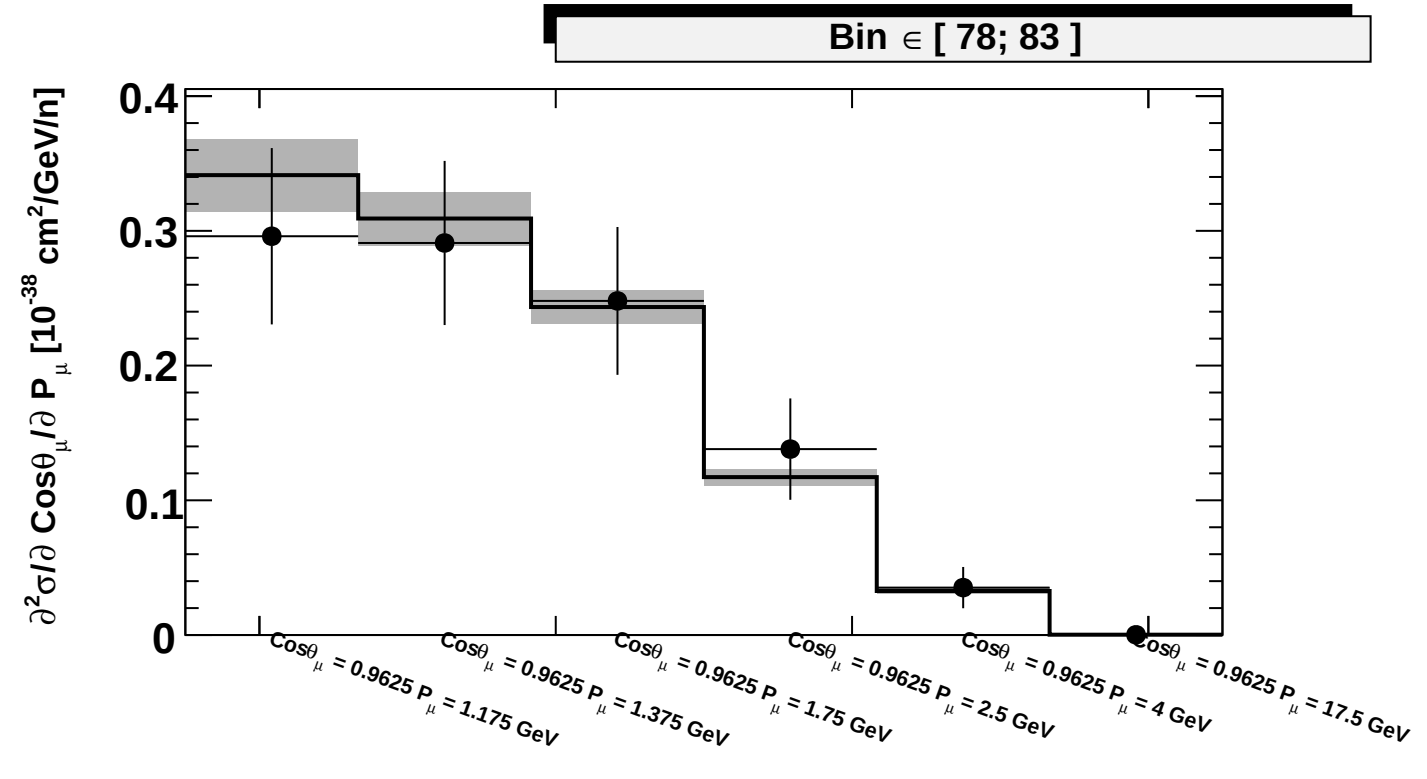

Bin ∈ [48; 53]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
0
0.2
0.4
0.6
0.8
$\mathrm{Cos}\theta_\mu$ = 0.9125 P_μ = 0.275 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9125 P_μ = 0.425 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9125 P_μ = 0.575 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9125 P_μ = 0.725 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9125 P_μ = 0.875 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9125 P_μ = 1.025 GeV
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 5.69/6 DoF

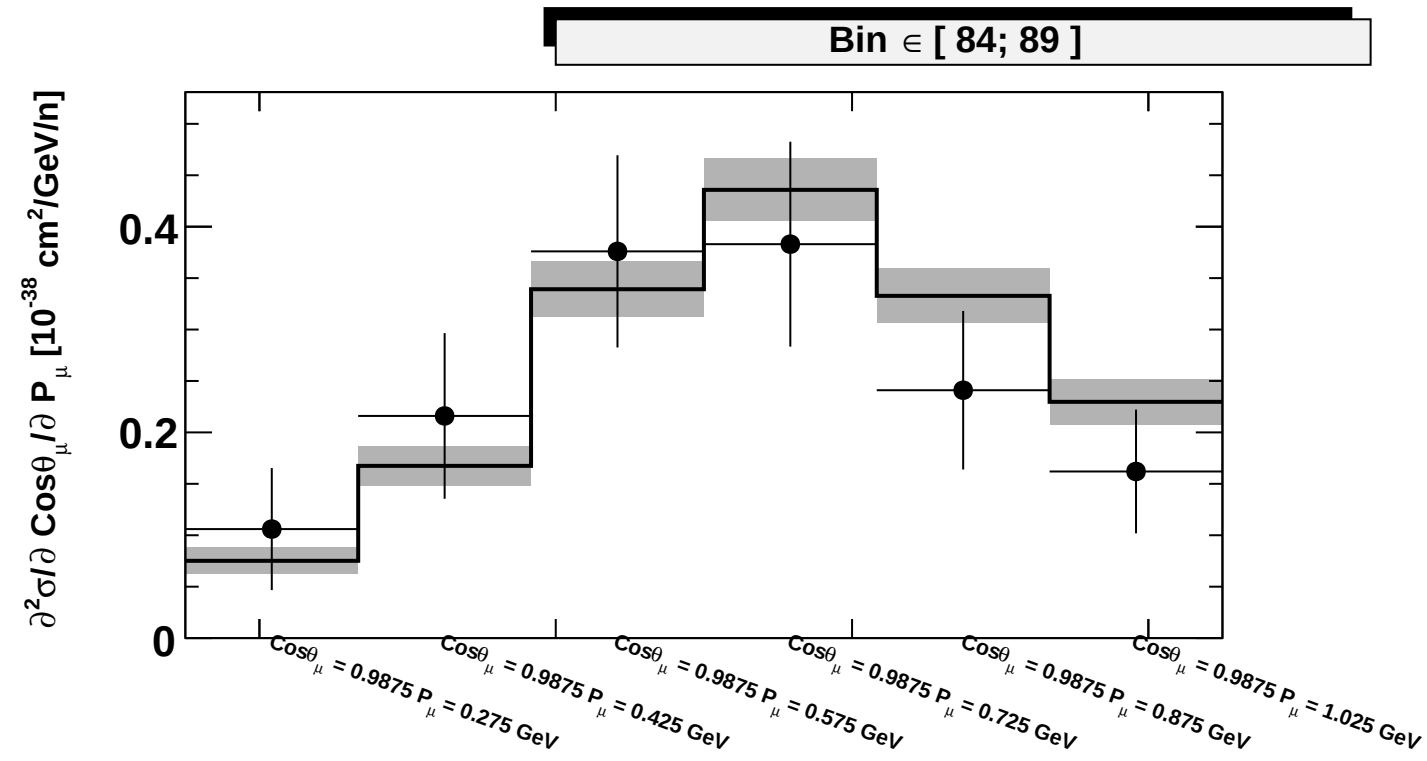

Bin ∈ [54; 59]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
0
0.2
0.4
0.6
0.8
$\mathrm{Cos}\theta_\mu$ = 0.9125 P_μ = 1.175 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9125 P_μ = 1.375 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9125 P_μ = 1.75 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9125 P_μ = 2.5 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9125 P_μ = 4 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9125 P_μ = 17.5 GeV
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 8.45/5 DoF

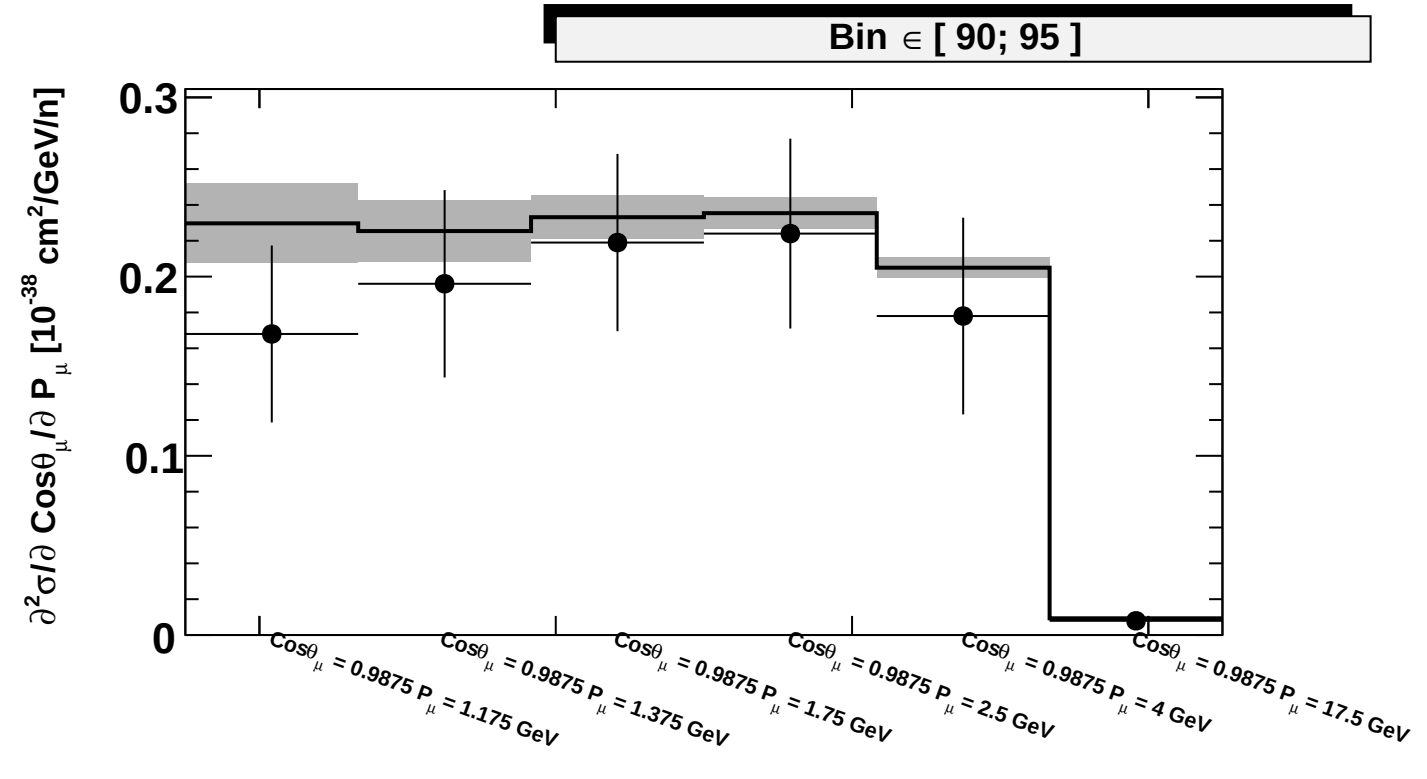

Bin ∈ [60; 65]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
0
0.2
0.4
0.6
0.8
$\mathrm{Cos}\theta_\mu$ = 0.9375 P_μ = 0.275 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9375 P_μ = 0.425 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9375 P_μ = 0.575 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9375 P_μ = 0.725 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9375 P_μ = 0.875 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9375 P_μ = 1.025 GeV
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 4.08/6 DoF


Bin ∈ [66; 71]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
0
0.1
0.2
0.3
0.4
$\mathrm{Cos}\theta_\mu$ = 0.9375 P_μ = 1.175 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9375 P_μ = 1.375 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9375 P_μ = 1.75 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9375 P_μ = 2.5 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9375 P_μ = 4 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9375 P_μ = 17.5 GeV
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 2.58/5 DoF


Bin ∈ [72; 77]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
1
0.5
0
$\mathrm{Cos}\theta_\mu$ = 0.9625 P_μ = 0.275 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9625 P_μ = 0.425 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9625 P_μ = 0.575 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9625 P_μ = 0.725 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9625 P_μ = 0.875 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9625 P_μ = 1.025 GeV
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 3.32/6 DoF


Bin ∈ [78; 83]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
0.4
0.3
0.2
0.1
0
$\mathrm{Cos}\theta_\mu$ = 0.9625 P_μ = 1.175 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9625 P_μ = 1.375 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9625 P_μ = 1.75 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9625 P_μ = 2.5 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9625 P_μ = 4 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9625 P_μ = 17.5 GeV
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 2.43/6 DoF


Bin ∈ [84; 89]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
0
0.2
0.4
$\mathrm{Cos}\theta_\mu$ = 0.9875 P_μ = 0.275 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9875 P_μ = 0.425 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9875 P_μ = 0.575 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9875 P_μ = 0.725 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9875 P_μ = 0.875 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9875 P_μ = 1.025 GeV
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 5.36/6 DoF


Bin ∈ [90; 95]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
0
0.1
0.2
0.3
$\mathrm{Cos}\theta_\mu$ = 0.9875 P_μ = 1.175 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9875 P_μ = 1.375 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9875 P_μ = 1.75 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9875 P_μ = 2.5 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9875 P_μ = 4 GeV
$\mathrm{Cos}\theta_\mu$ = 0.9875 P_μ = 17.5 GeV
t2k_nd280_numucc0pi_2015_rps
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 1.68/6 DoF

Dataset:

t2k_nd280_numucc0pi_2015

Model:

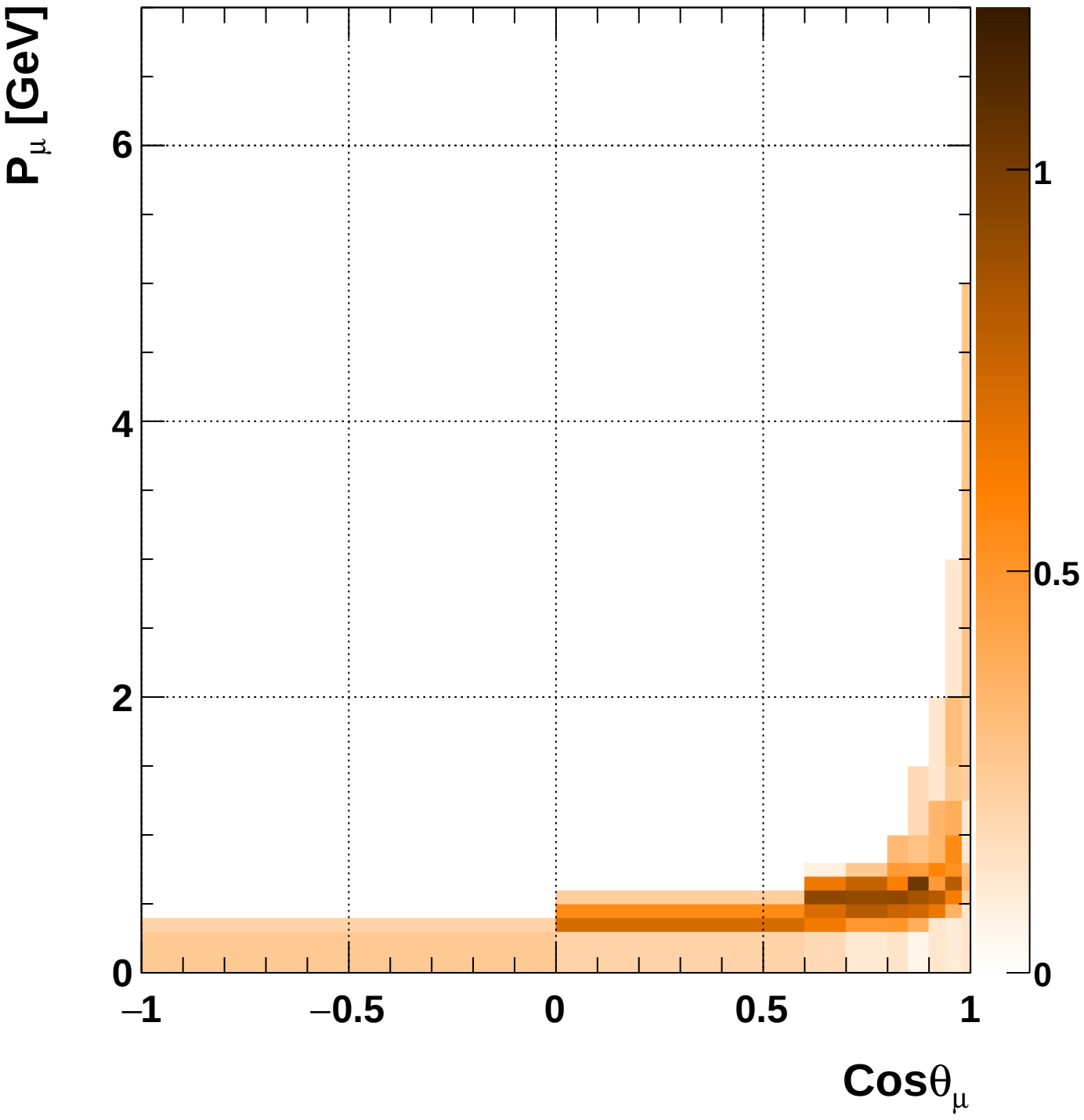
master/G18_02a_00_000 χ^2 = 150 / 67 DoF

Plot:

$\partial^2\sigma/\partial$ **Cos**θ_μ/∂ P_μ

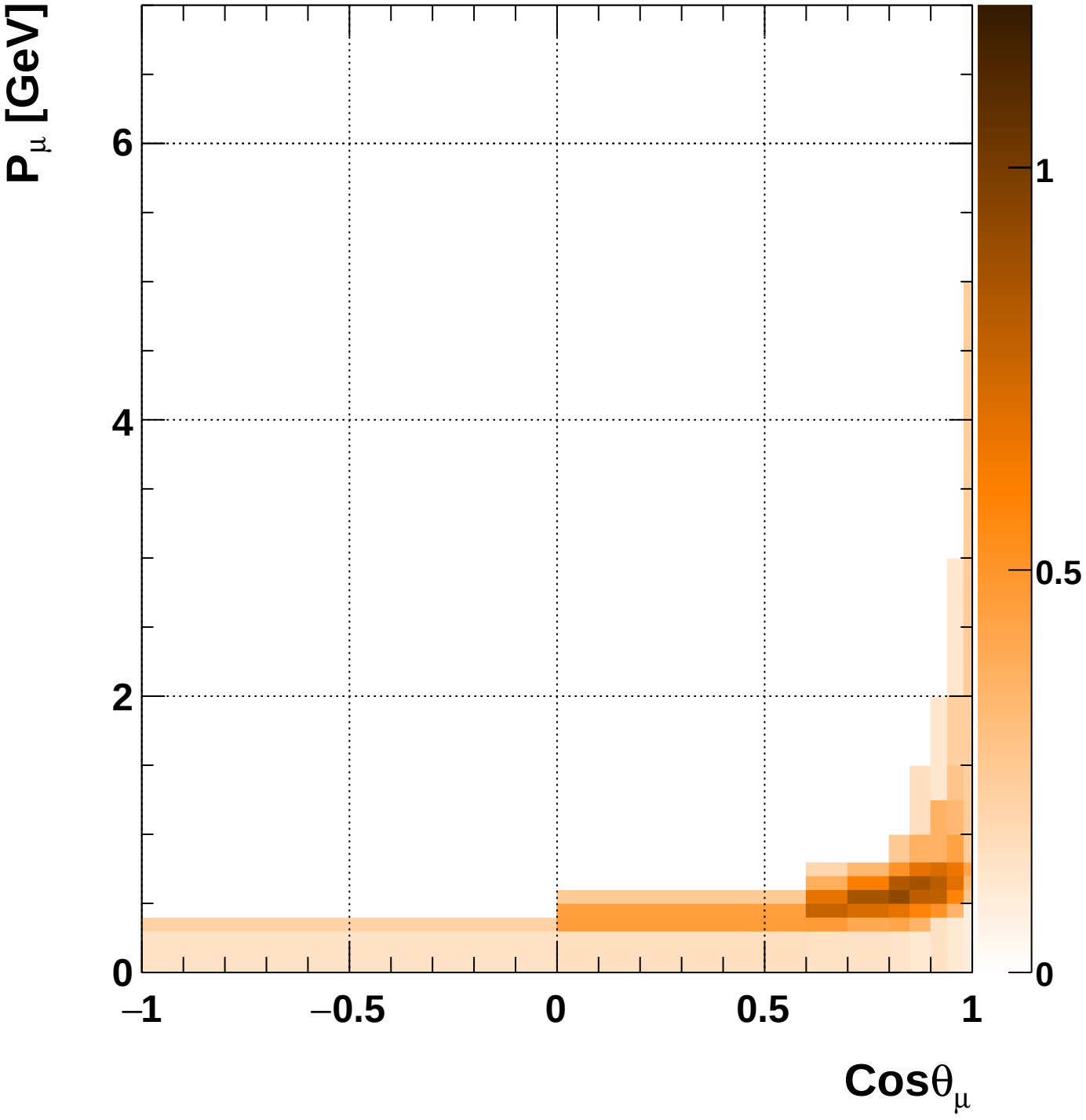
67 DoF, χ^2 = 150

2018/10/15 09:40:43



$\partial^2\sigma/\partial\,\mathrm{Cos}\theta_\mu/\partial\,P_\mu$ [10^{-38} cm^2/GeV/n]

Data: t2k_nd280_numucc0pi_2015



$\partial^2\sigma/\partial\ \text{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]

Pred: master:G18_02a_00_000:t2k_nd280_numu_fhc

t2k_nd280_numucc0pi_2015

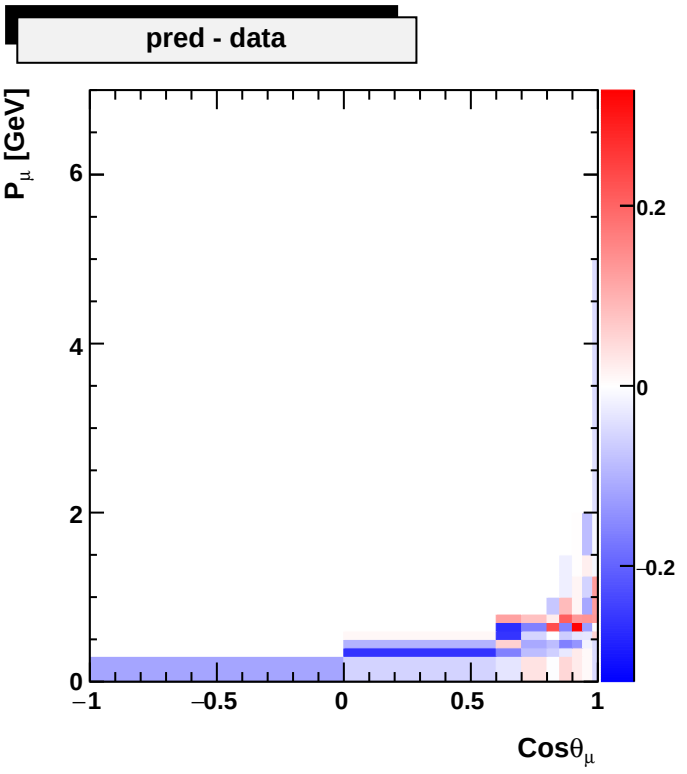
VS

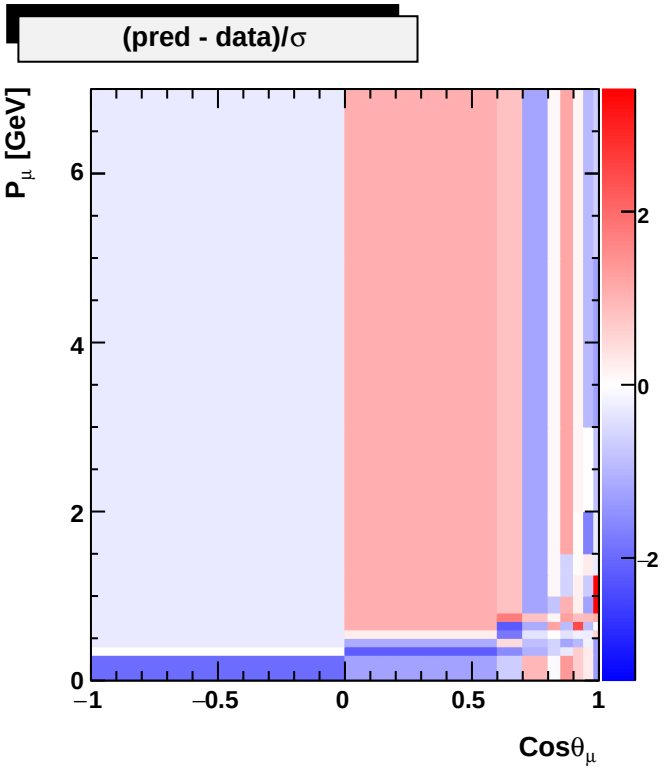
master:G18_02a_00_000:t2k_nd280_numu_fhc

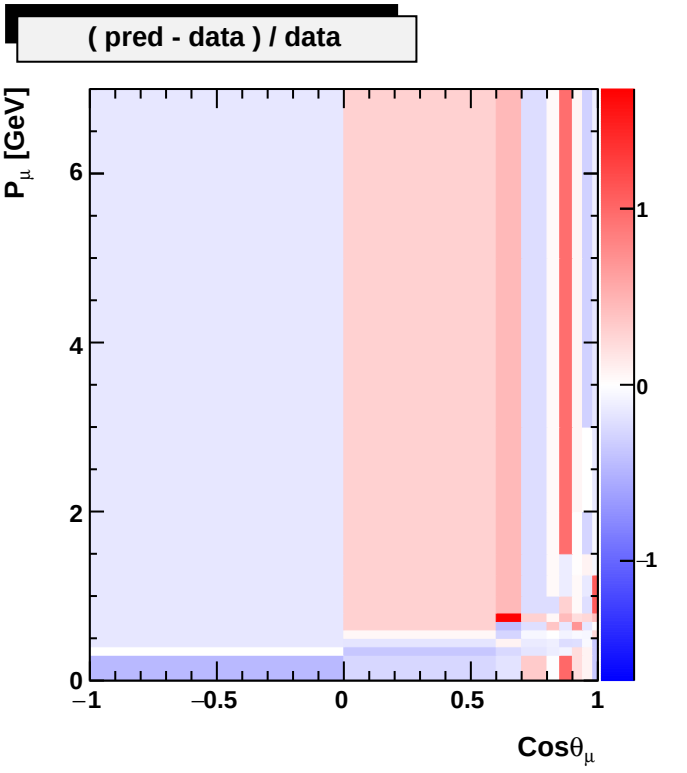
$\partial^2\sigma/\partial \text{Cos}\theta_\mu/\partial P_\mu$

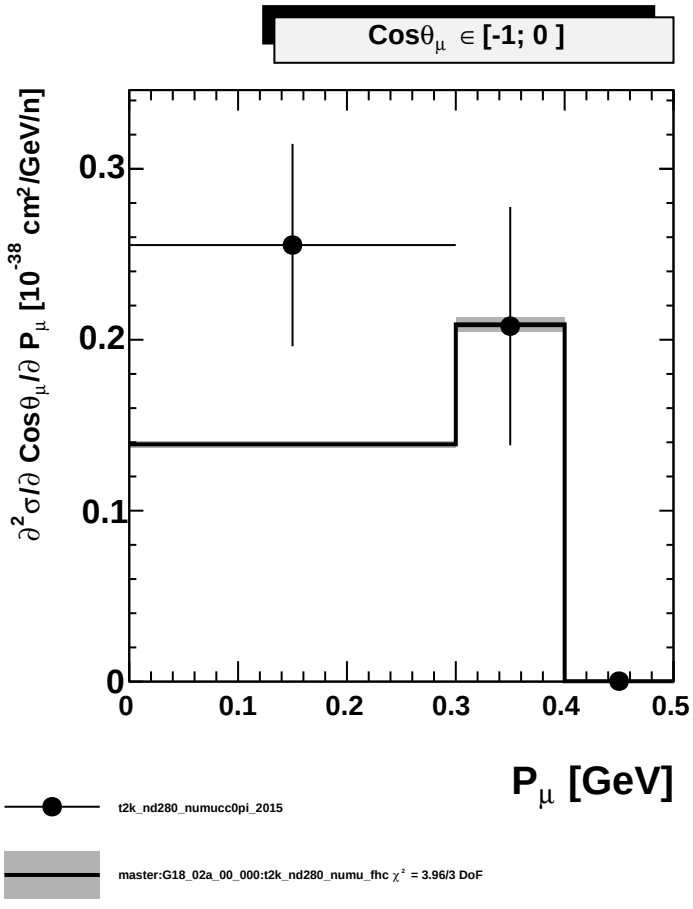
[10^{-38} cm^2/GeV/n]

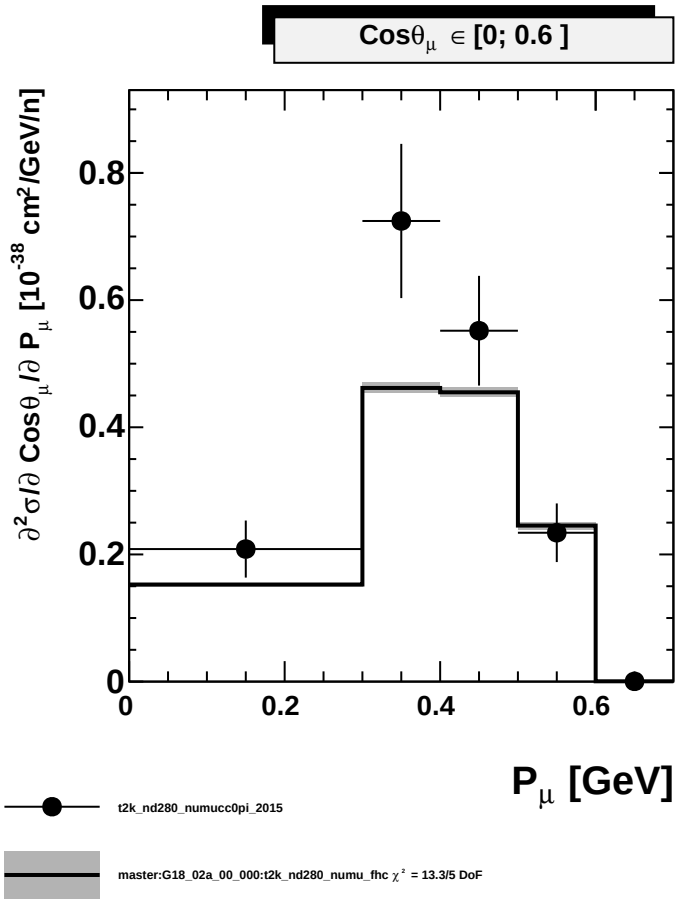
χ^2 = 150.178/67 DoF

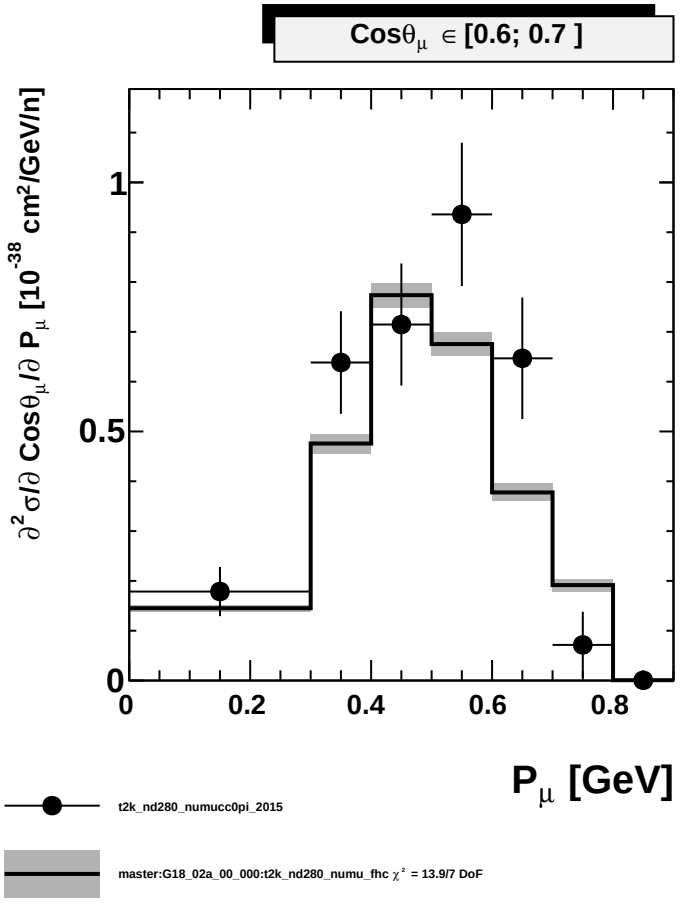


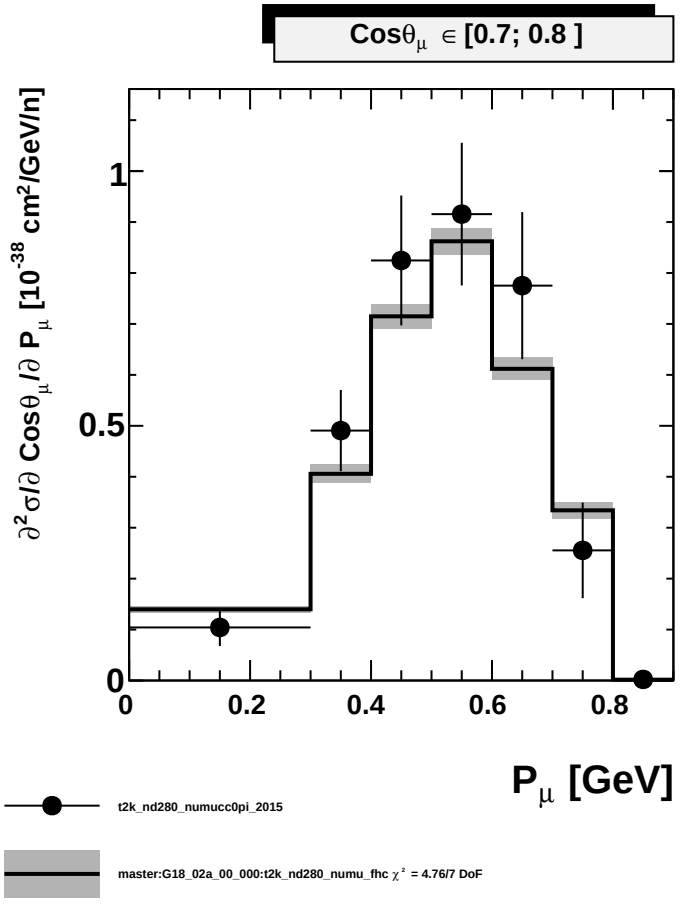


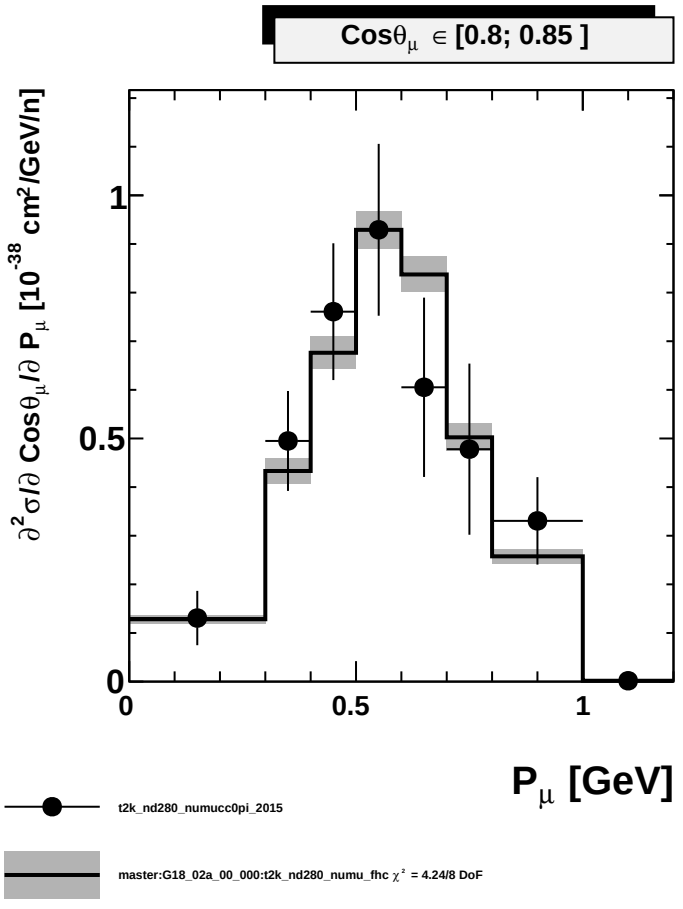


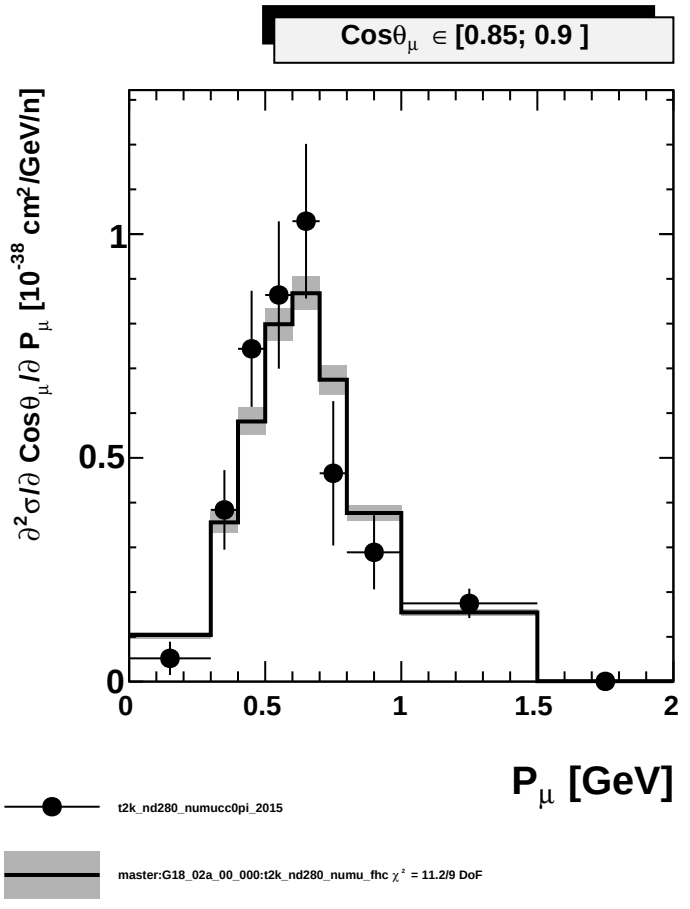

Cosθμ ∈ [-1; 0]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
Pμ [GeV]
t2k_nd280_numucc0pi_2015
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 3.96/3 DoF

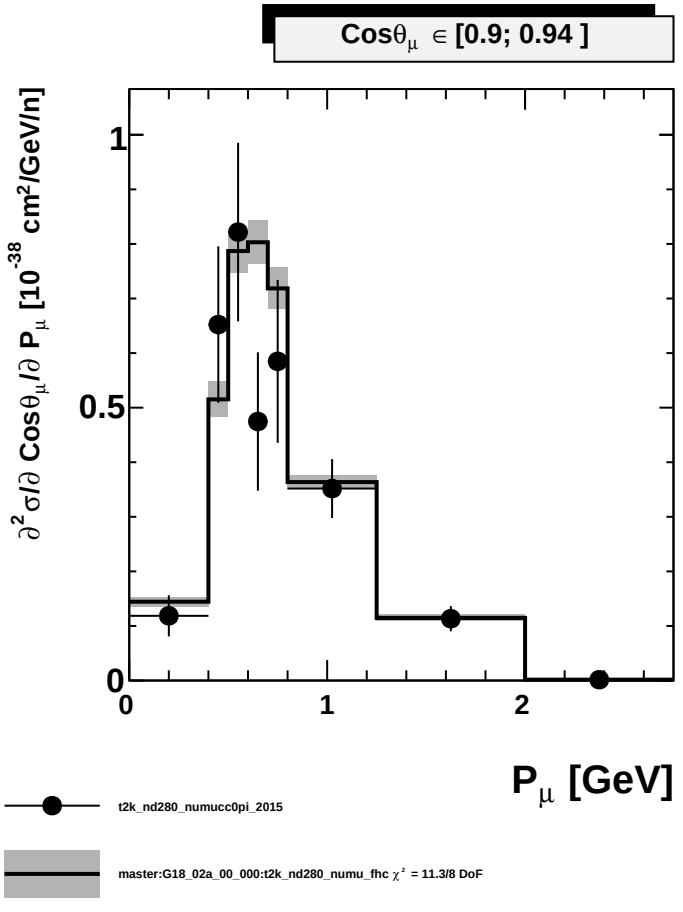

Cosθμ ∈ [0; 0.6]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
Pμ [GeV]
t2k_nd280_numucc0pi_2015
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 13.3/5 DoF

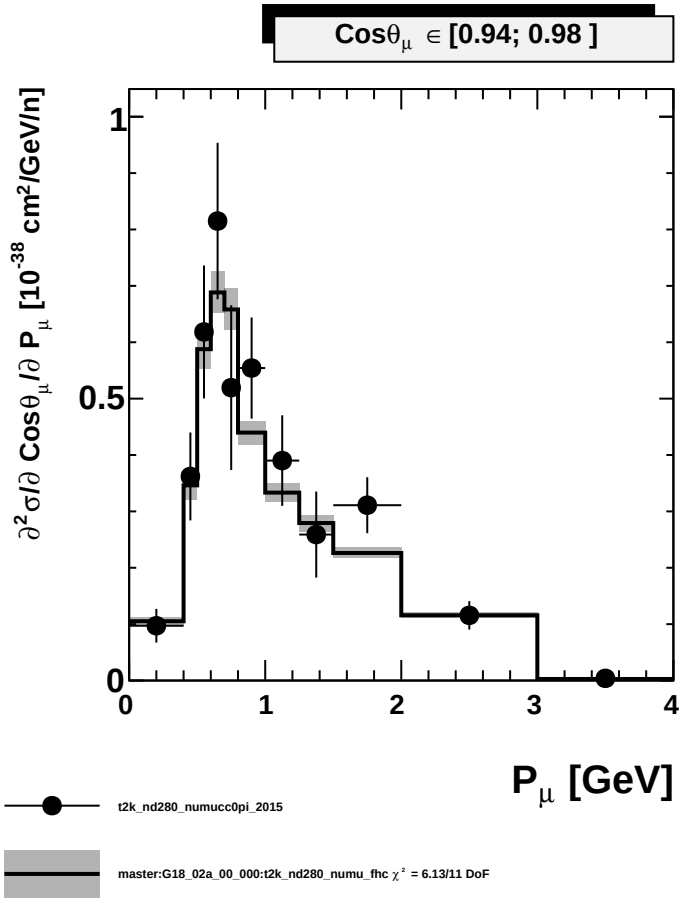

Cosθμ ∈ [0.6; 0.7]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
Pμ [GeV]
t2k_nd280_numucc0pi_2015
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 13.9/7 DoF

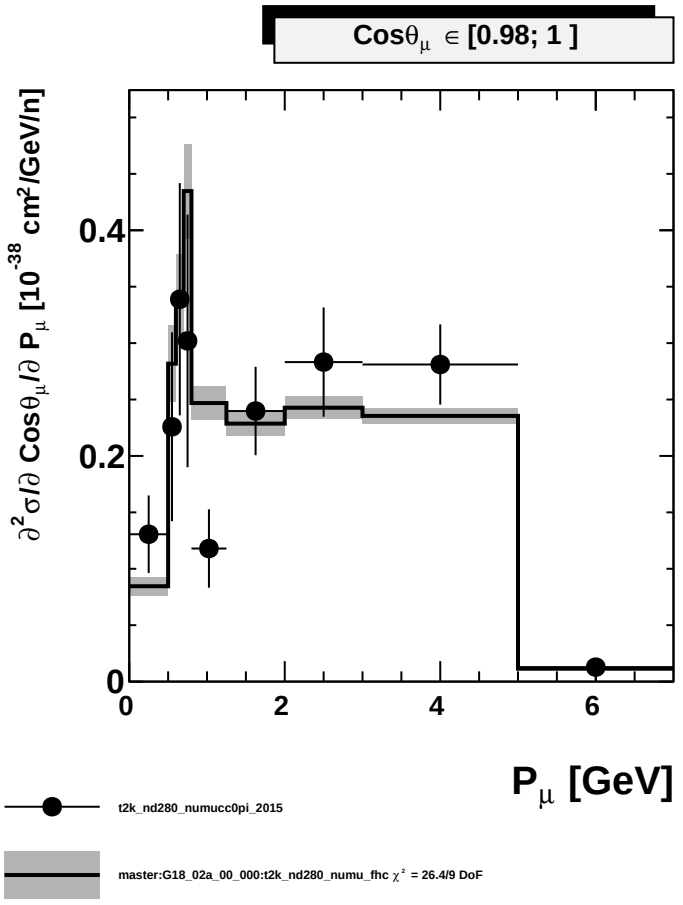

Cosθμ ∈ [0.7; 0.8]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
Pμ [GeV]
t2k_nd280_numucc0pi_2015
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 4.76/7 DoF

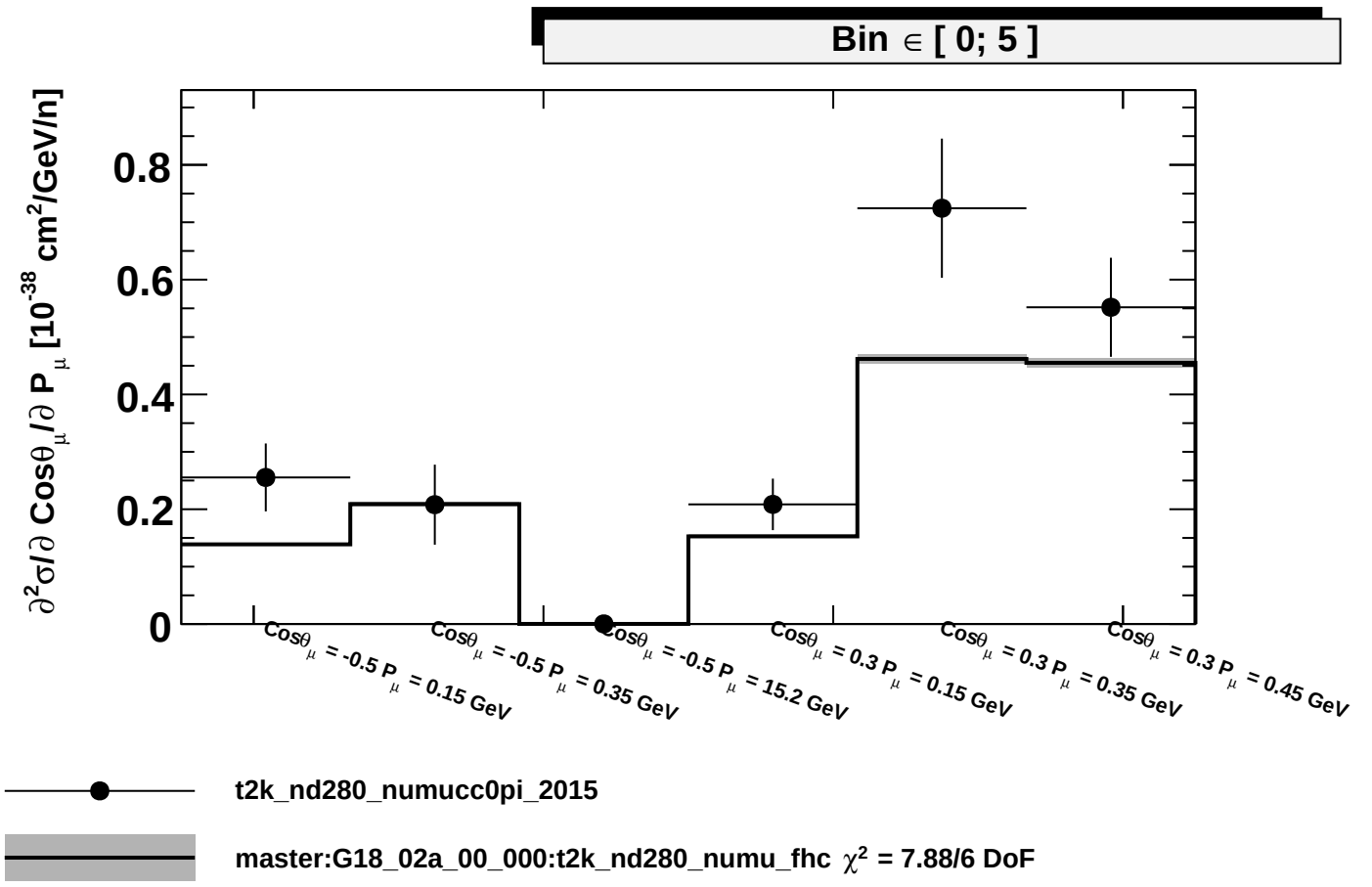

Cosθμ ∈ [0.8; 0.85]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
Pμ [GeV]
t2k_nd280_numucc0pi_2015
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 4.24/8 DoF

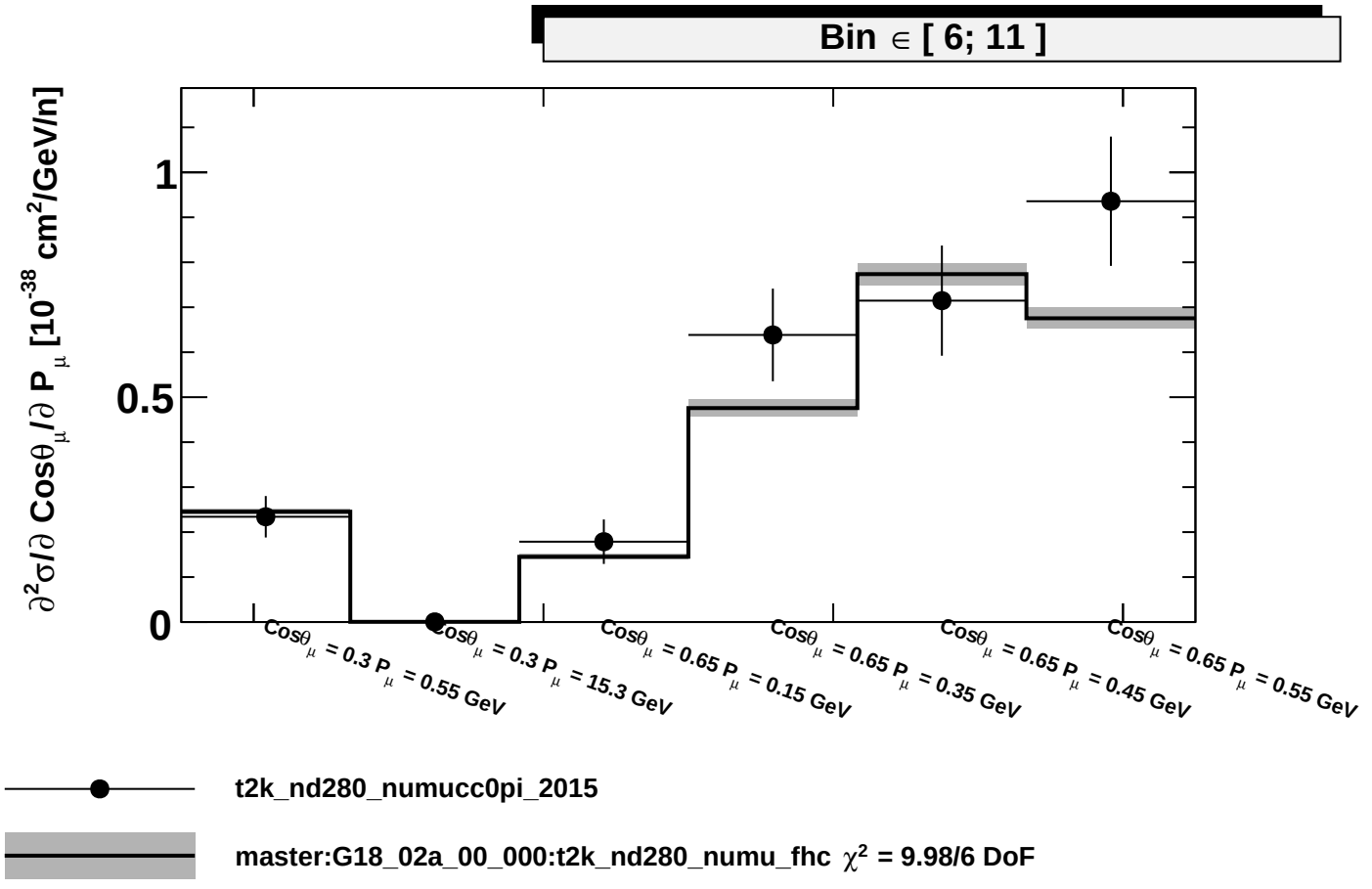

Cosθμ ∈ [0.85; 0.9]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
Pμ [GeV]
t2k_nd280_numucc0pi_2015
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 11.2/9 DoF

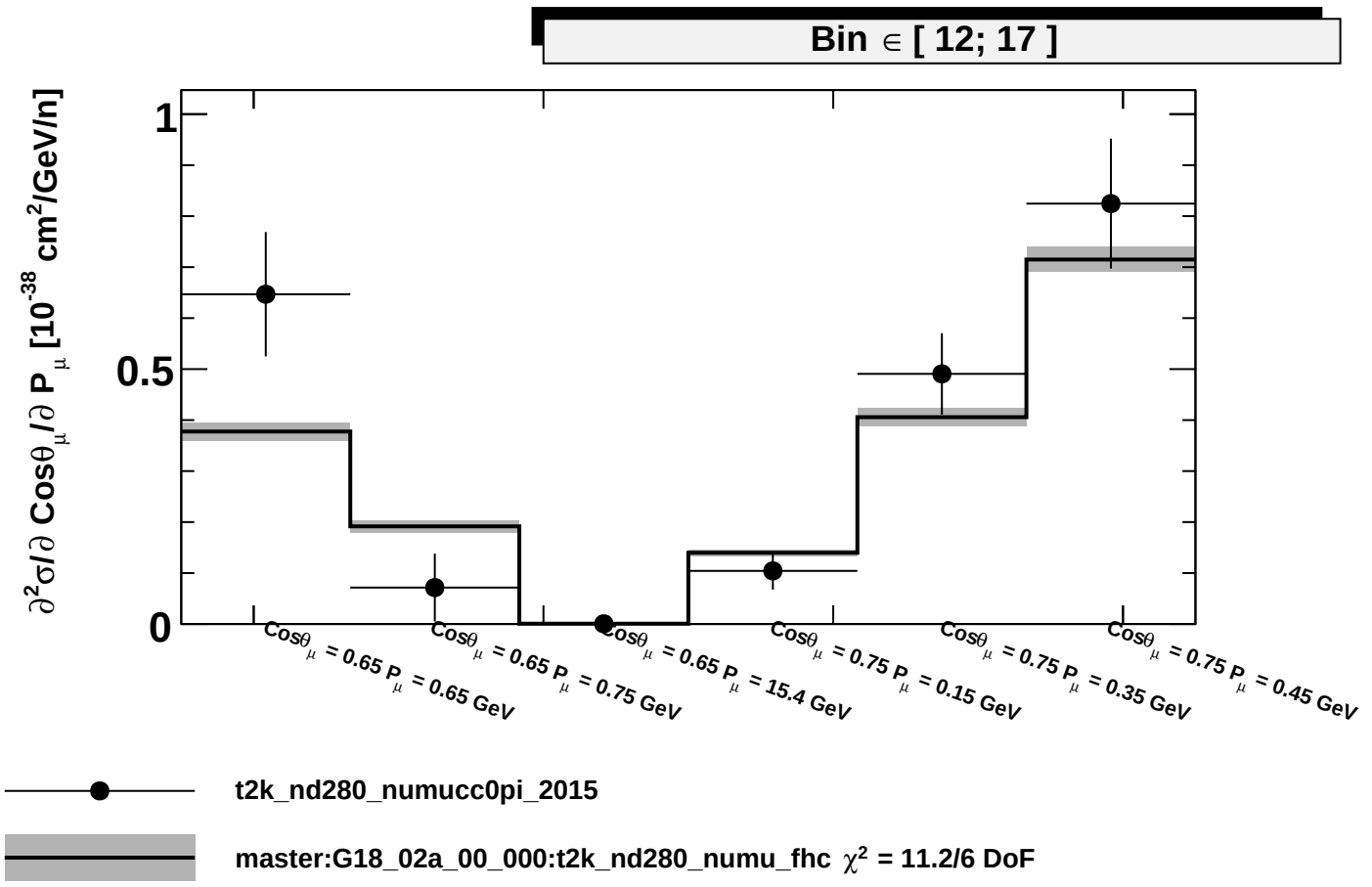

Cosθμ ∈ [0.9; 0.94]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
Pμ [GeV]
t2k_nd280_numucc0pi_2015
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 11.3/8 DoF

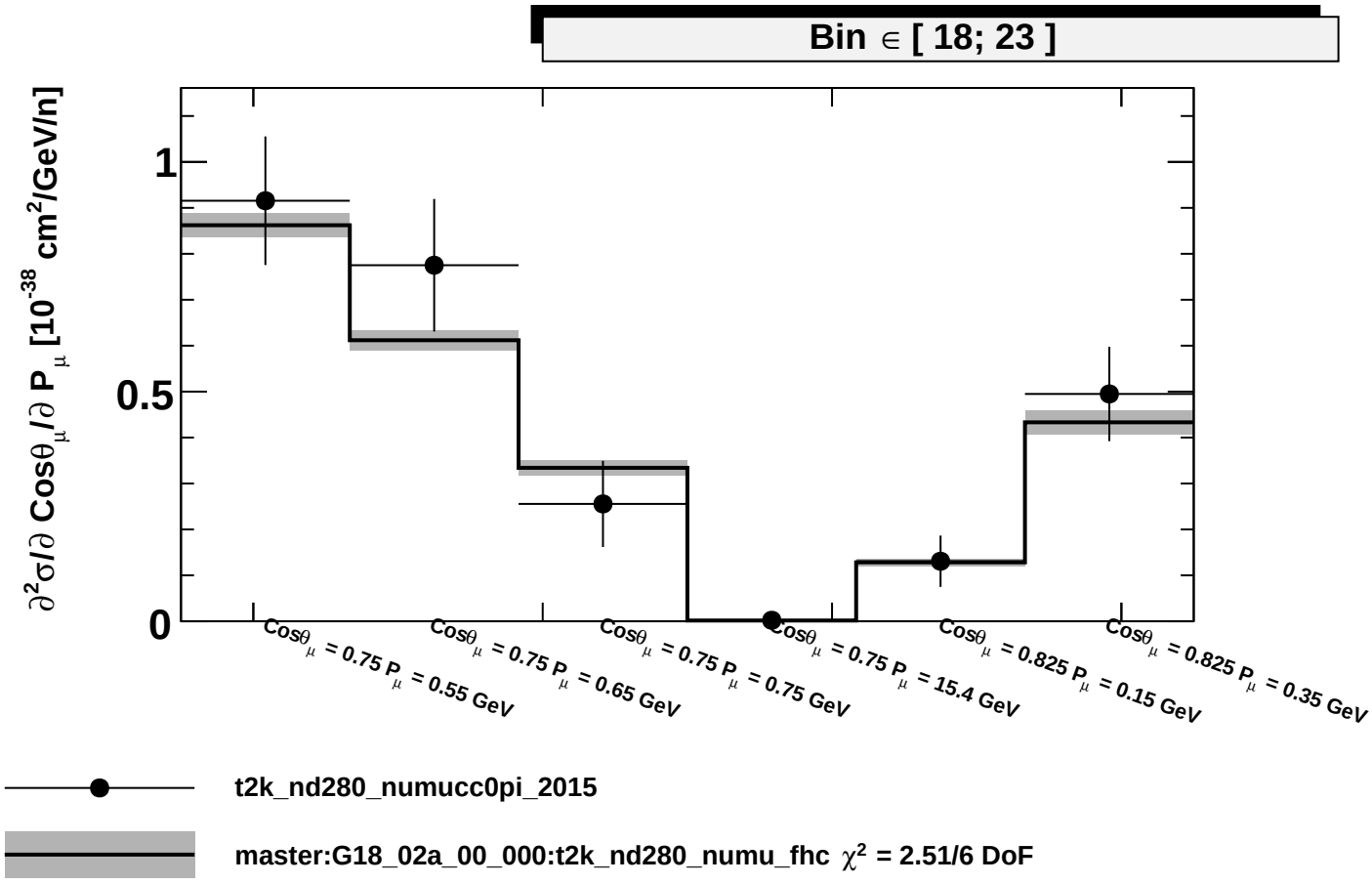

Cosθμ ∈ [0.94; 0.98]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
Pμ [GeV]
t2k_nd280_numucc0pi_2015
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 6.13/11 DoF

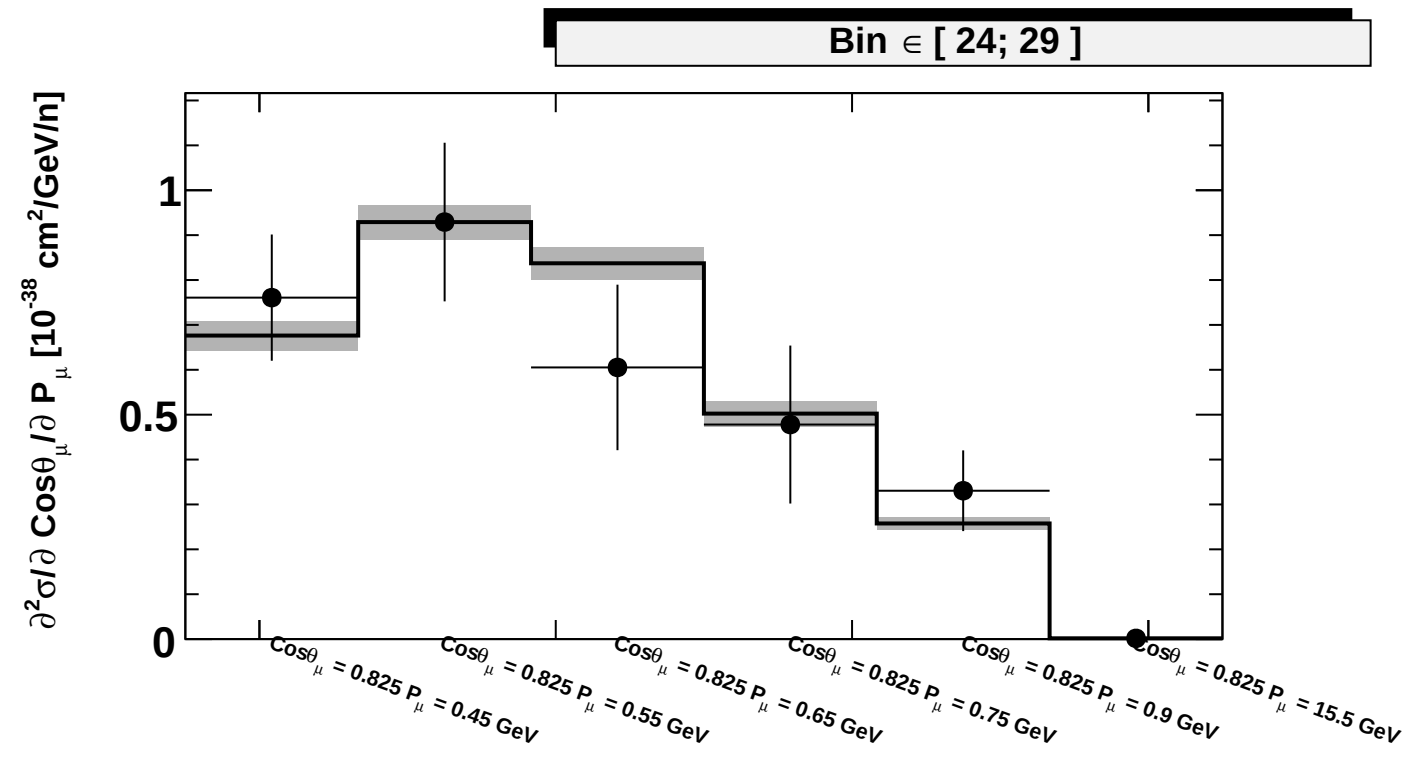

Cosθμ ∈ [0.98; 1]
∂²σ/∂ Cosθμ/∂ Pμ [10⁻³⁸ cm²/GeV/n]
0.4
0.2
0
0
2
4
6
Pμ [GeV]
t2k_nd280_numucc0pi_2015
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 26.4/9 DoF


Bin ∈ [0; 5]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
0
0.2
0.4
0.6
0.8
$\mathrm{Cos}\theta_\mu$ = -0.5 P_μ = 0.15 GeV
$\mathrm{Cos}\theta_\mu$ = -0.5 P_μ = 0.35 GeV
$\mathrm{Cos}\theta_\mu$ = -0.5 P_μ = 15.2 GeV
$\mathrm{Cos}\theta_\mu$ = 0.3 P_μ = 0.15 GeV
$\mathrm{Cos}\theta_\mu$ = 0.3 P_μ = 0.35 GeV
$\mathrm{Cos}\theta_\mu$ = 0.3 P_μ = 0.45 GeV
t2k_nd280_numucc0pi_2015
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 7.88/6 DoF


Bin ∈ [6; 11]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
0
0.5
1
$\mathrm{Cos}\theta_\mu$ = 0.3 P_μ = 0.55 GeV
$\mathrm{Cos}\theta_\mu$ = 0.3 P_μ = 15.3 GeV
$\mathrm{Cos}\theta_\mu$ = 0.65 P_μ = 0.15 GeV
$\mathrm{Cos}\theta_\mu$ = 0.65 P_μ = 0.35 GeV
$\mathrm{Cos}\theta_\mu$ = 0.65 P_μ = 0.45 GeV
$\mathrm{Cos}\theta_\mu$ = 0.65 P_μ = 0.55 GeV
t2k_nd280_numucc0pi_2015
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 9.98/6 DoF

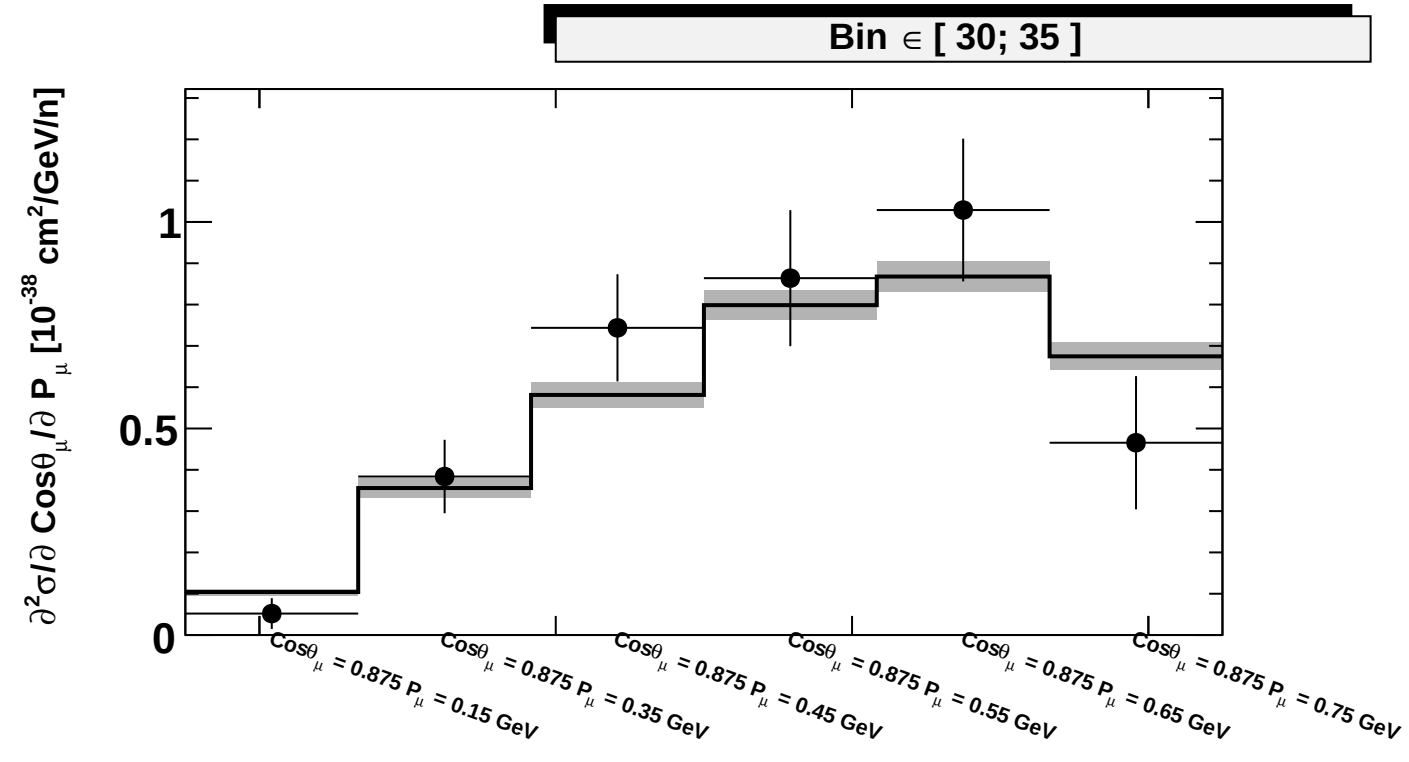

Bin ∈ [12; 17]
$\partial^2\sigma/\partial$ Cosθ_μ /∂ P$_\mu$ [10^{-38} cm^2/GeV/n]
1
0.5
0
Cosθ_μ = 0.65 P$_\mu$ = 0.65 GeV
Cosθ_μ = 0.65 P$_\mu$ = 0.75 GeV
Cosθ_μ = 0.65 P$_\mu$ = 15.4 GeV
Cosθ_μ = 0.75 P$_\mu$ = 0.15 GeV
Cosθ_μ = 0.75 P$_\mu$ = 0.35 GeV
Cosθ_μ = 0.75 P$_\mu$ = 0.45 GeV
t2k_nd280_numucc0pi_2015
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 11.2/6 DoF


Bin ∈ [18; 23]
$\partial^2\sigma/\partial$ Cosθ_μ /∂ P$_\mu$ [10^{-38} cm^2/GeV/n]
1
0.5
0
Cosθ_μ = 0.75 P$_\mu$ = 0.55 GeV
Cosθ_μ = 0.75 P$_\mu$ = 0.65 GeV
Cosθ_μ = 0.75 P$_\mu$ = 0.75 GeV
Cosθ_μ = 0.75 P$_\mu$ = 15.4 GeV
Cosθ_μ = 0.825 P$_\mu$ = 0.15 GeV
Cosθ_μ = 0.825 P$_\mu$ = 0.35 GeV
t2k_nd280_numucc0pi_2015
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 2.51/6 DoF



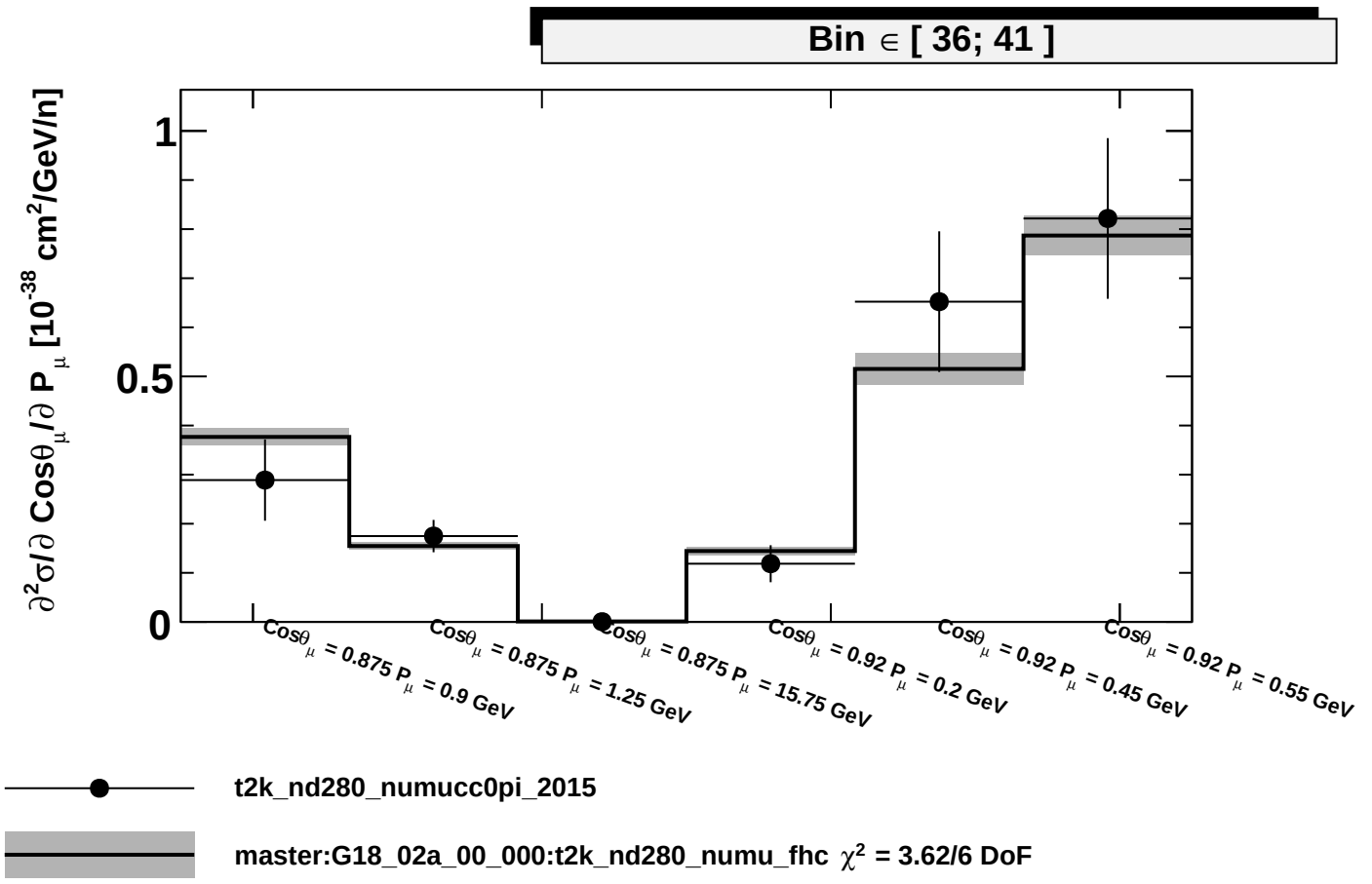
t2k_nd280_numucc0pi_2015

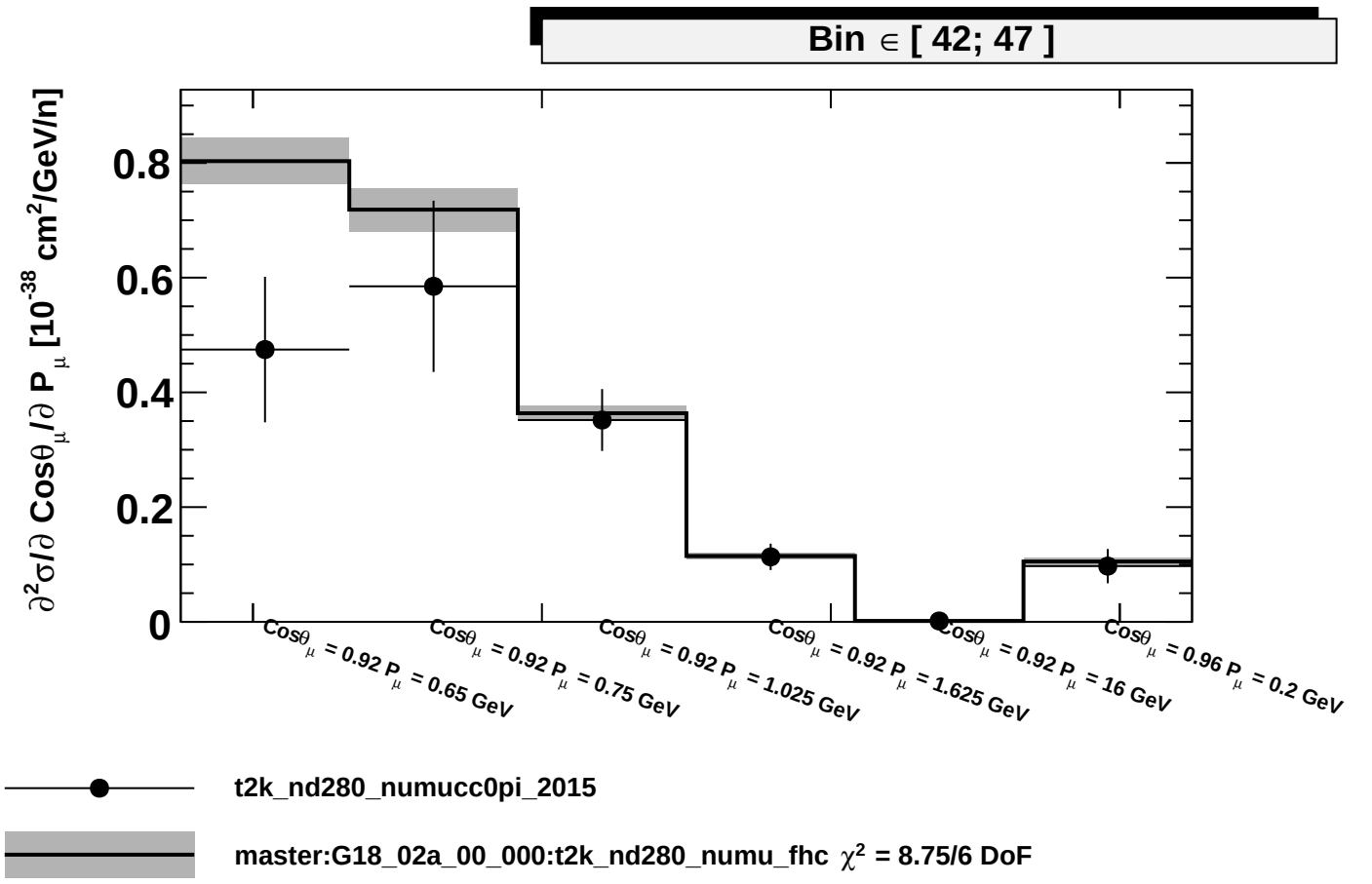
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 3.24/6 DoF

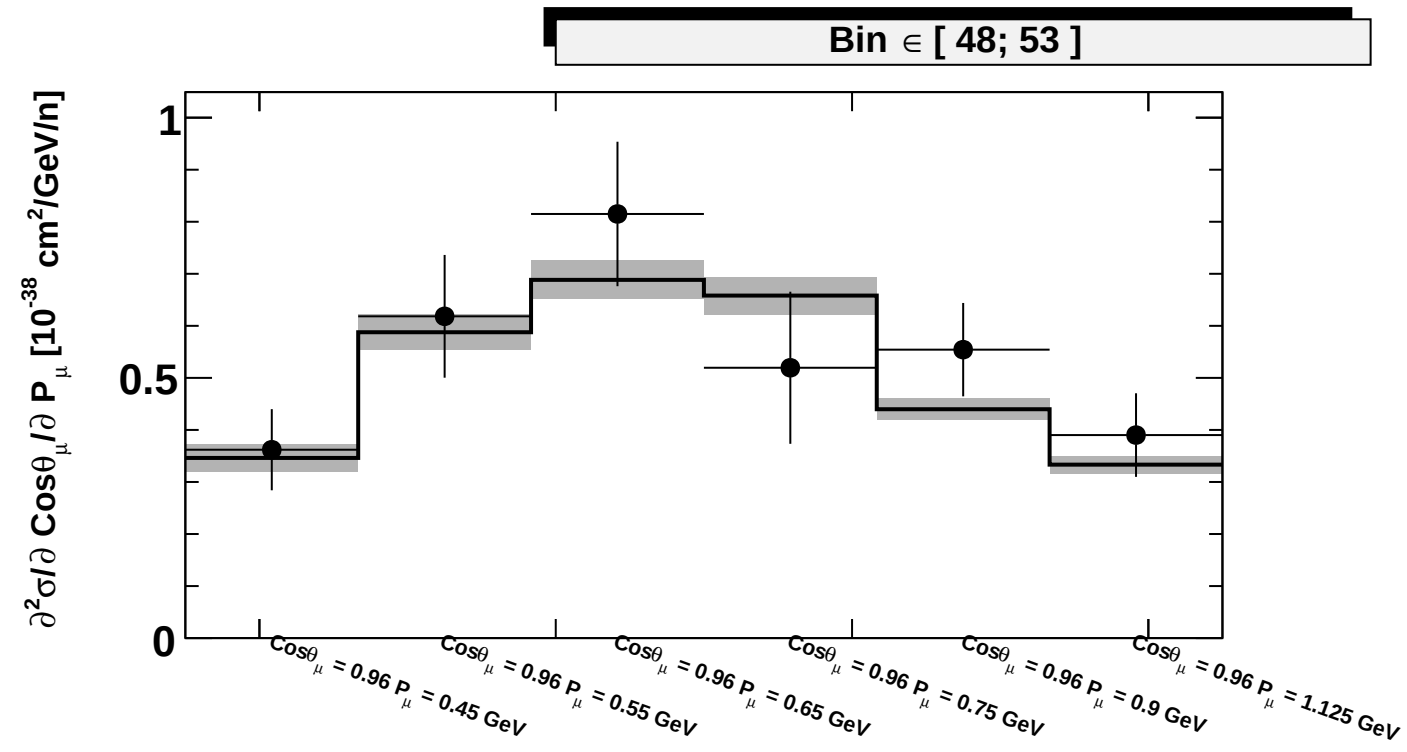


t2k_nd280_numucc0pi_2015

master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 5.89/6 DoF

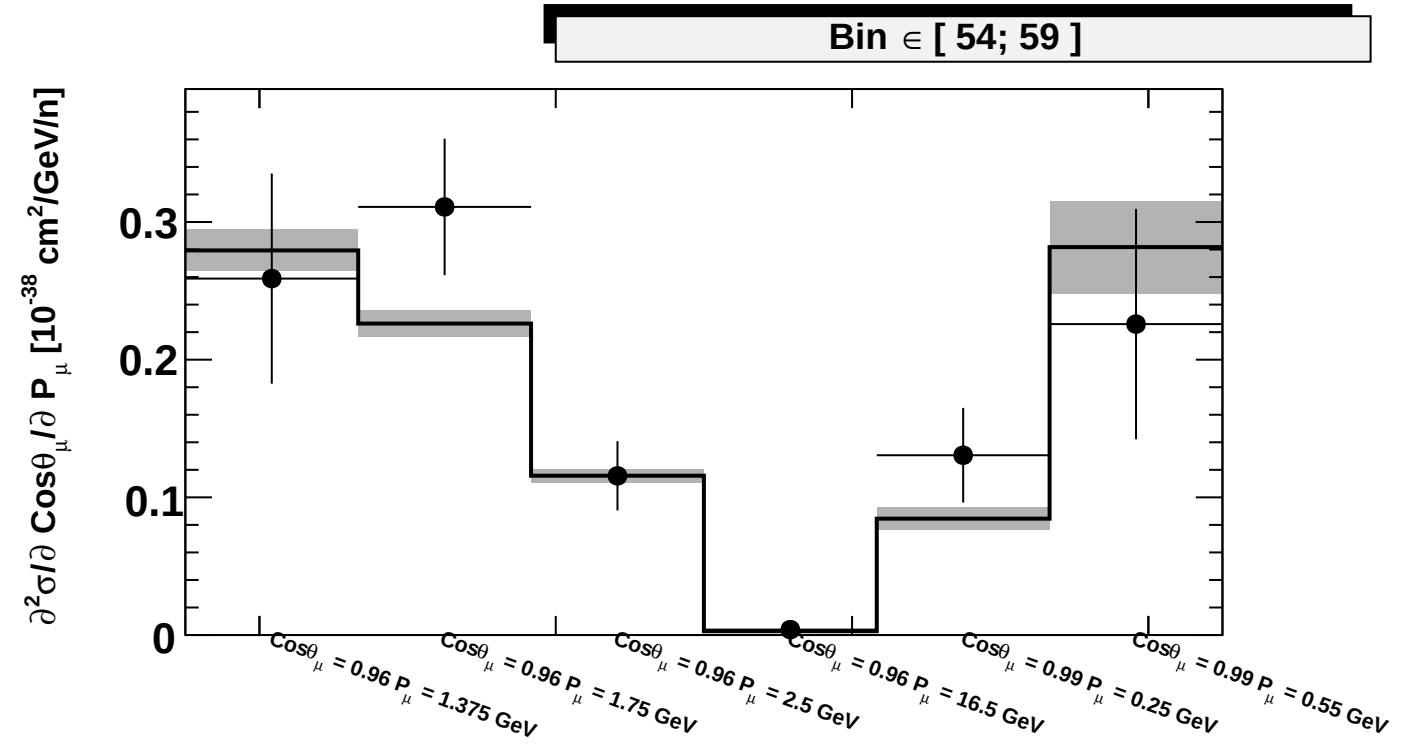

Bin ∈ [36; 41]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
1
0.5
0
$\mathrm{Cos}\theta_\mu$ = 0.875 P_μ = 0.9 GeV
$\mathrm{Cos}\theta_\mu$ = 0.875 P_μ = 1.25 GeV
$\mathrm{Cos}\theta_\mu$ = 0.875 P_μ = 15.75 GeV
$\mathrm{Cos}\theta_\mu$ = 0.92 P_μ = 0.2 GeV
$\mathrm{Cos}\theta_\mu$ = 0.92 P_μ = 0.45 GeV
$\mathrm{Cos}\theta_\mu$ = 0.92 P_μ = 0.55 GeV
t2k_nd280_numucc0pi_2015
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 3.62/6 DoF


Bin ∈ [42; 47]
$\partial^2\sigma/\partial\ \mathrm{Cos}\theta_\mu/\partial\ P_\mu$ [10^{-38} cm^2/GeV/n]
0.8
0.6
0.4
0.2
0
$\mathrm{Cos}\theta_\mu$ = 0.92 P_μ = 0.65 GeV
$\mathrm{Cos}\theta_\mu$ = 0.92 P_μ = 0.75 GeV
$\mathrm{Cos}\theta_\mu$ = 0.92 P_μ = 1.025 GeV
$\mathrm{Cos}\theta_\mu$ = 0.92 P_μ = 1.625 GeV
$\mathrm{Cos}\theta_\mu$ = 0.92 P_μ = 16 GeV
$\mathrm{Cos}\theta_\mu$ = 0.96 P_μ = 0.2 GeV
t2k_nd280_numucc0pi_2015
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 8.75/6 DoF



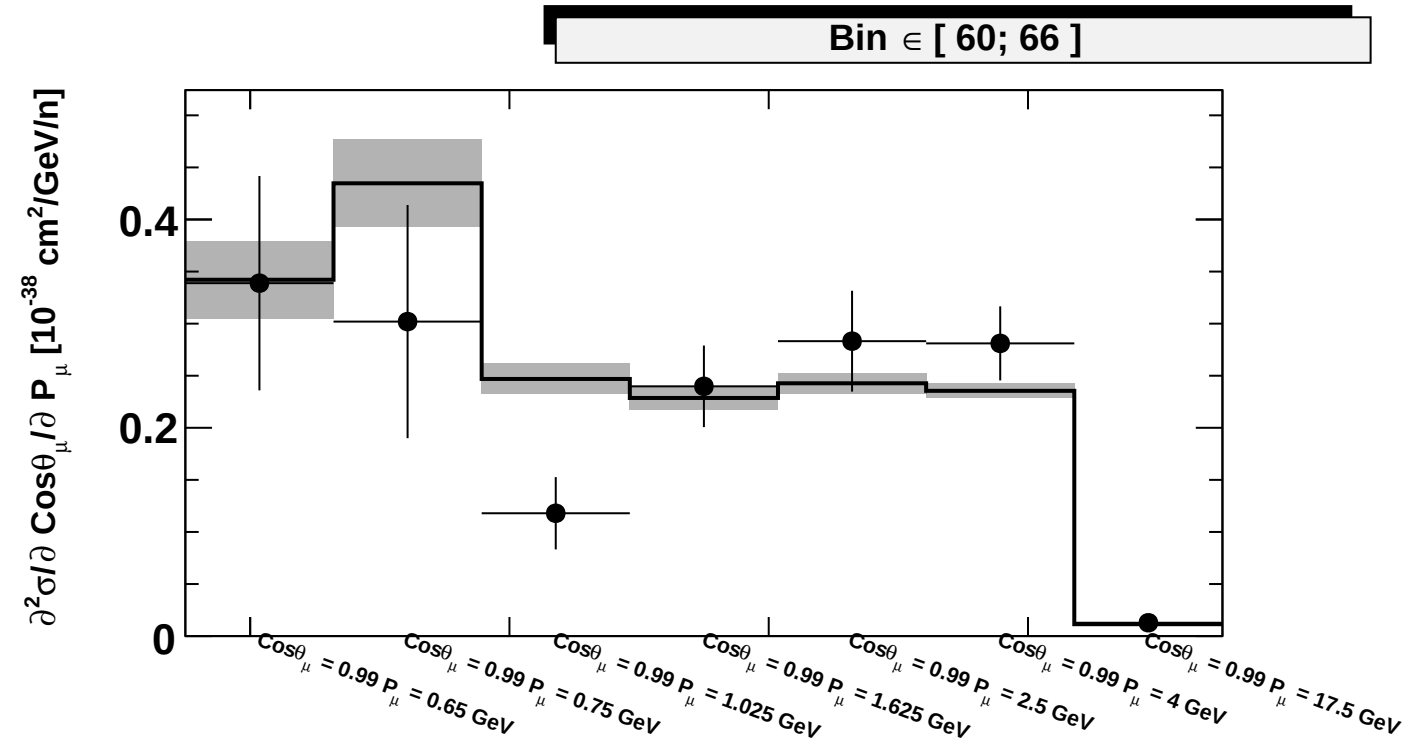
t2k_nd280_numucc0pi_2015

master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 3.37/6 DoF



t2k_nd280_numucc0pi_2015

master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 4.42/6 DoF



t2k_nd280_numucc0pi_2015

master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 24.9/7 DoF

Dataset:

t2k_nd280_numucc_2013

Model:

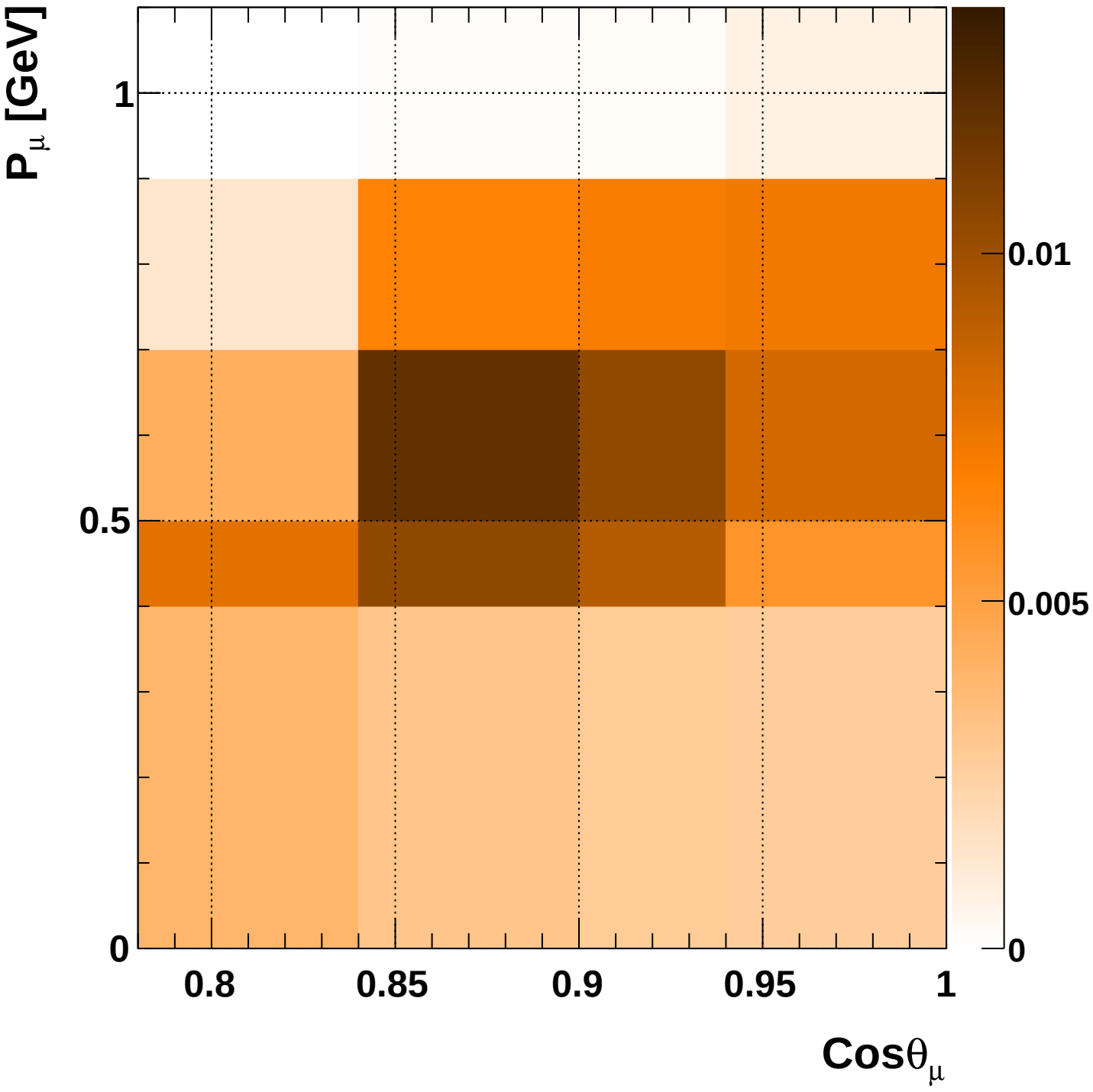
master/G18_02a_00_000 χ^2 = 36.5 / 20 DoF

Plot:

$\partial^2\sigma/\partial$ **Cos**$\theta_\mu\partial$ P_μ

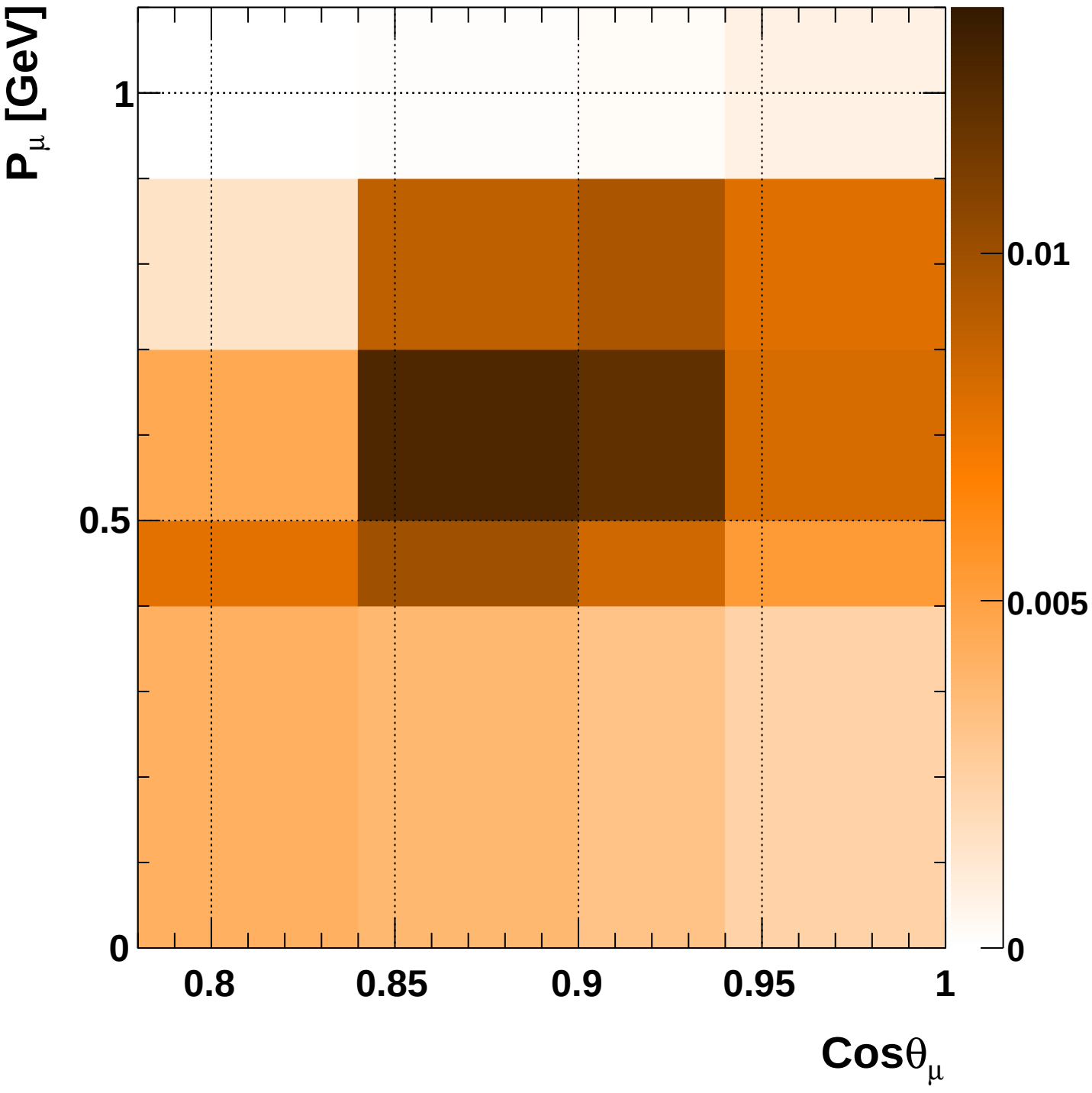
20 DoF, χ^2 = 36.5

2018/10/15 09:40:43



$\partial^2\sigma/\partial \cos\theta_\mu \partial P_\mu$ [10^{-38} cm^2/GeV]

Data: t2k_nd280_numucc_2013



$\partial^2\sigma/\partial \cos\theta_\mu \partial P_\mu$ [10^{-38} cm^2/GeV]

Pred: master:G18_02a_00_000:t2k_nd280_numu_fhc

t2k_nd280_numucc_2013

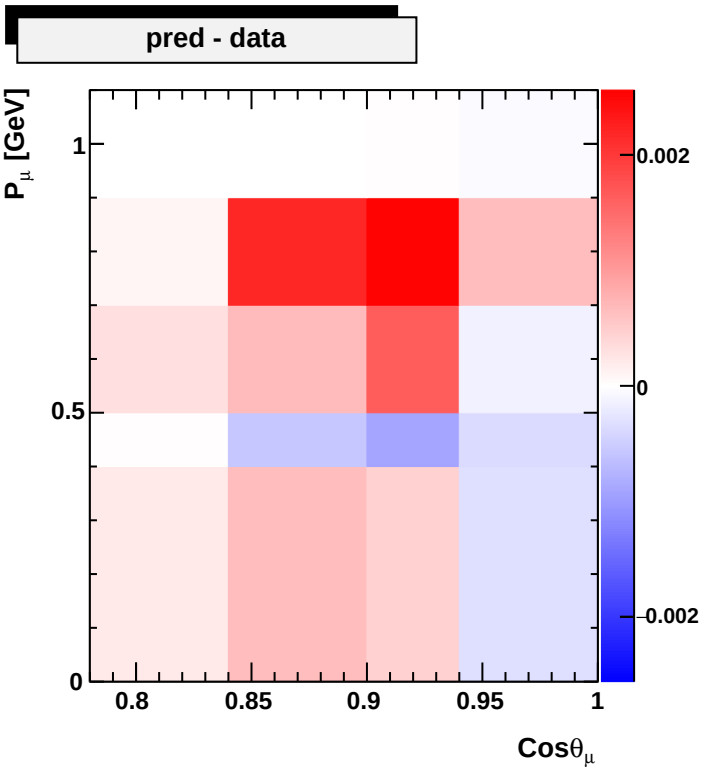
VS

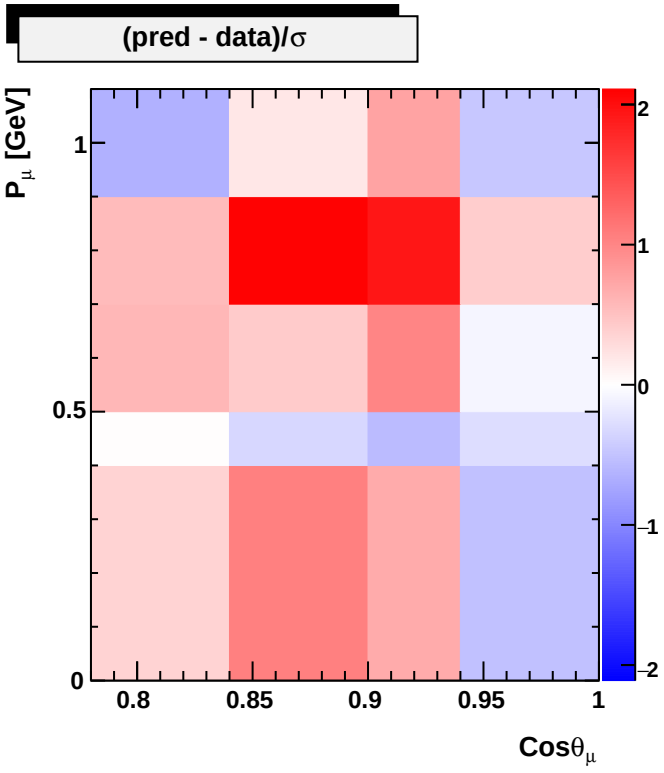
master:G18_02a_00_000:t2k_nd280_numu_fhc

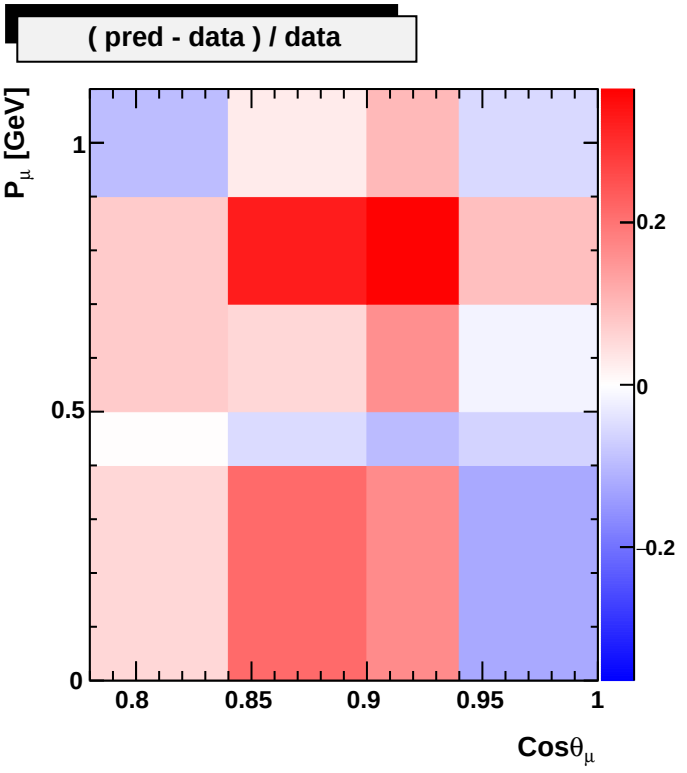
$\partial^2\sigma/\partial \text{Cos}\theta_\mu \partial P_\mu$

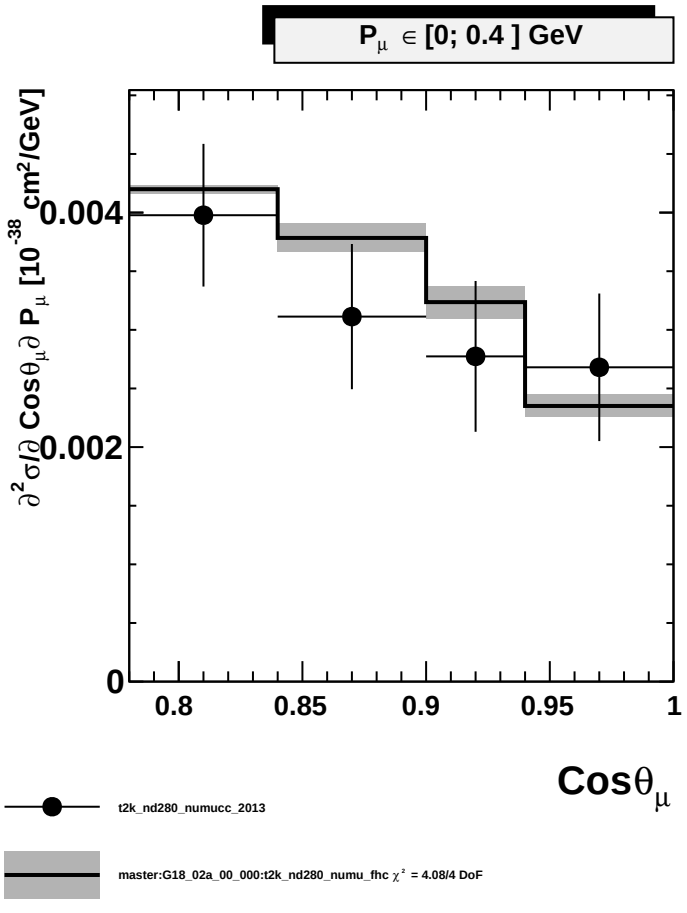
[10^{-38} cm^2/GeV]

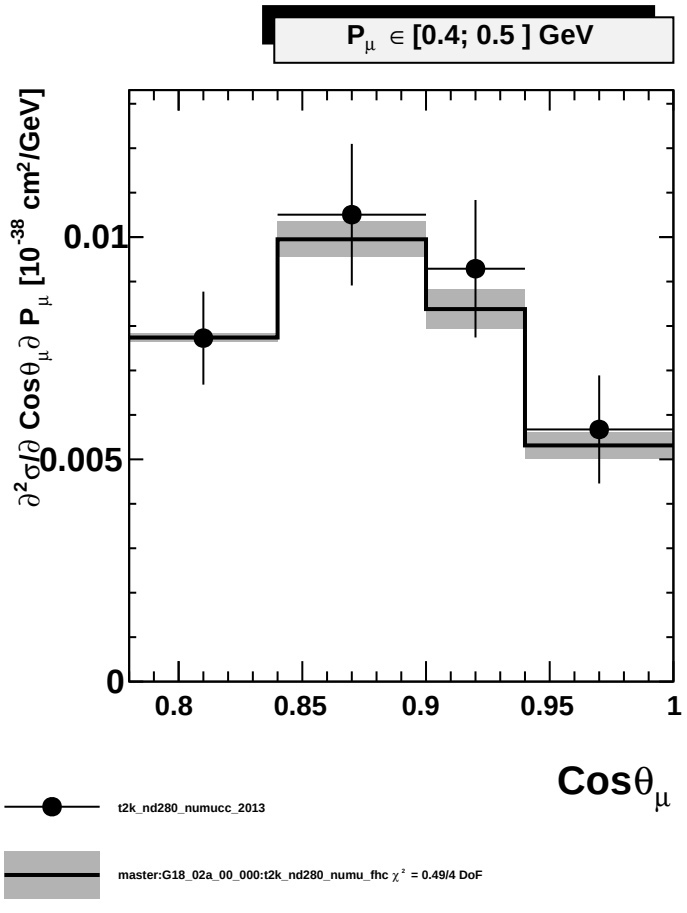
χ^2 = 36.4786/20 DoF

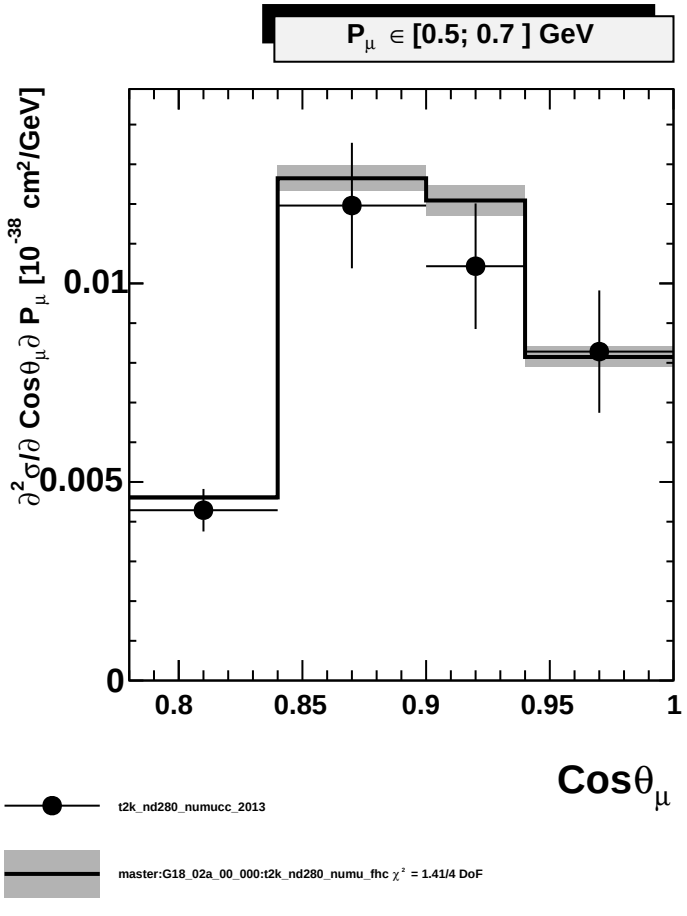


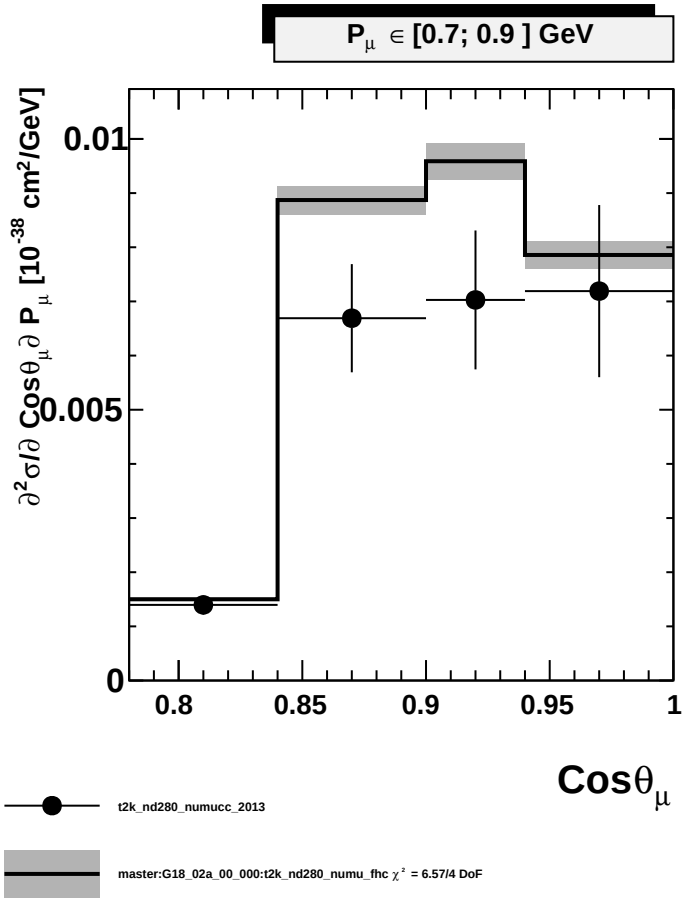


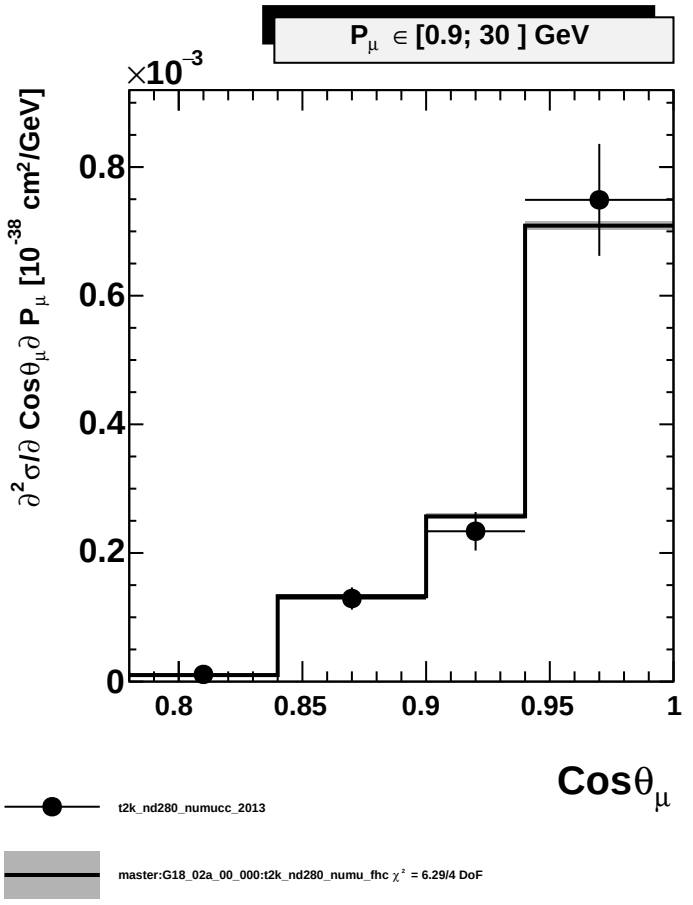


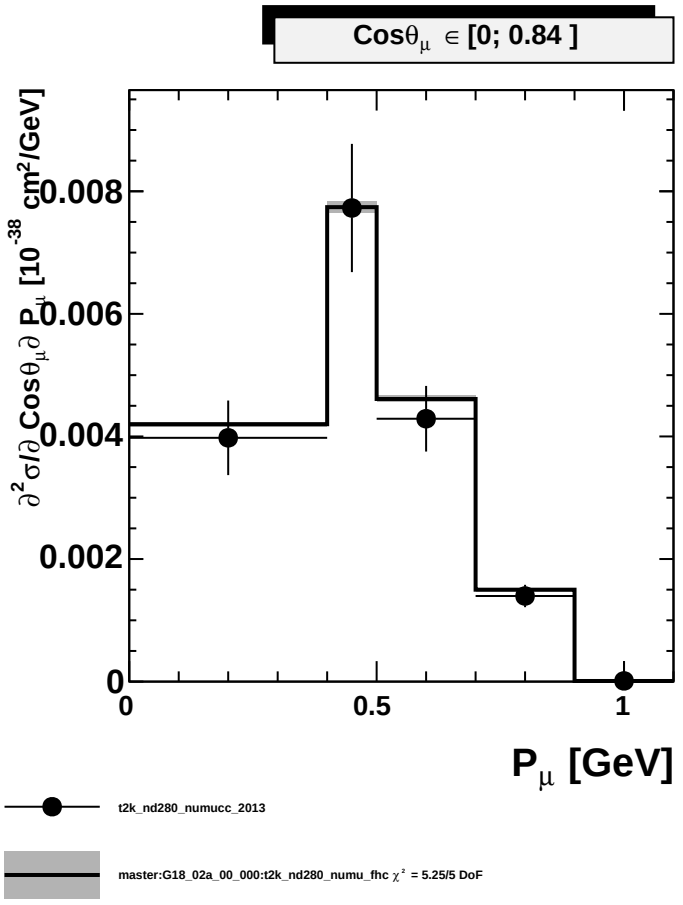

$P_\mu \in [0; 0.4]$ GeV
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu \partial P_\mu$ [10^{-38} cm^2/GeV]
0.004
0.002
0
0.8
0.85
0.9
0.95
1
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc_2013
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 4.08/4 DoF

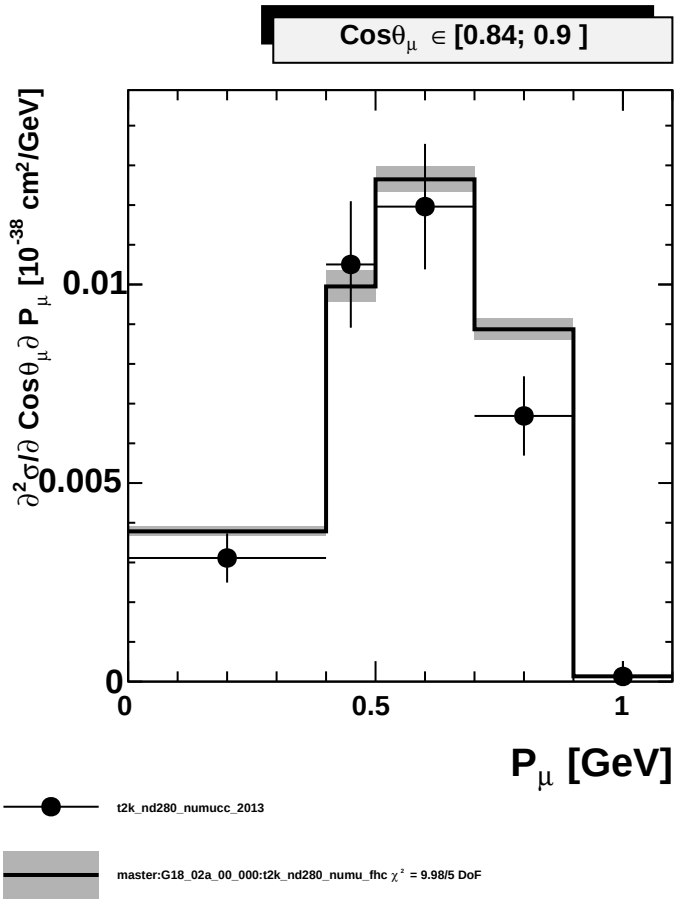

$P_\mu \in [0.4; 0.5]$ GeV
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu \partial P_\mu$ [10^{-38} cm^2/GeV]
0.01
0.005
0
0.8
0.85
0.9
0.95
1
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc_2013
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 0.49/4 DoF

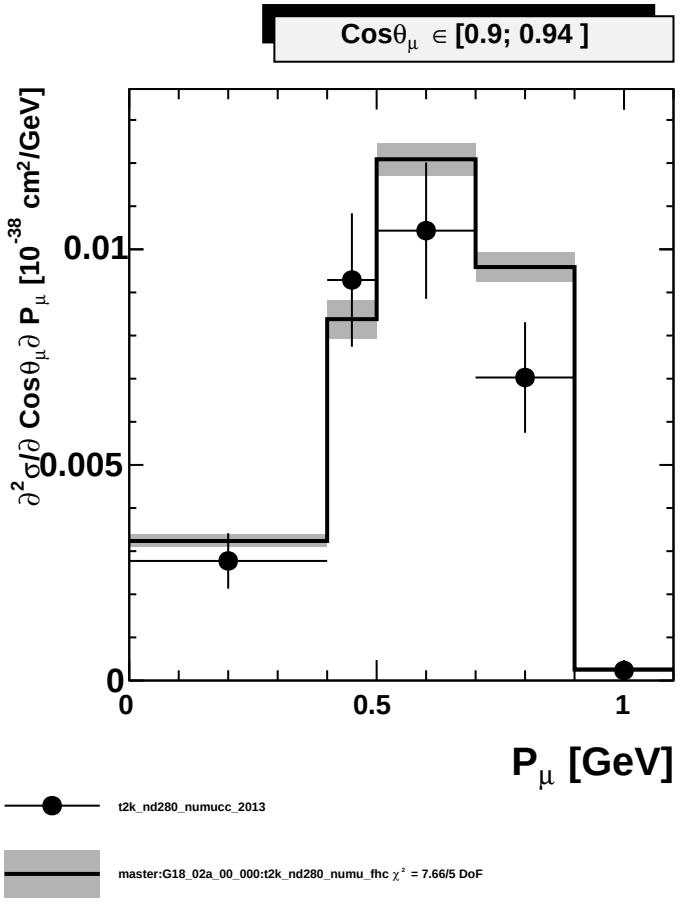

$P_\mu \in [0.5; 0.7]$ GeV
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu \partial P_\mu$ [10^{-38} cm^2/GeV]
0.01
0.005
0
0.8
0.85
0.9
0.95
1
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc_2013
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 1.41/4 DoF

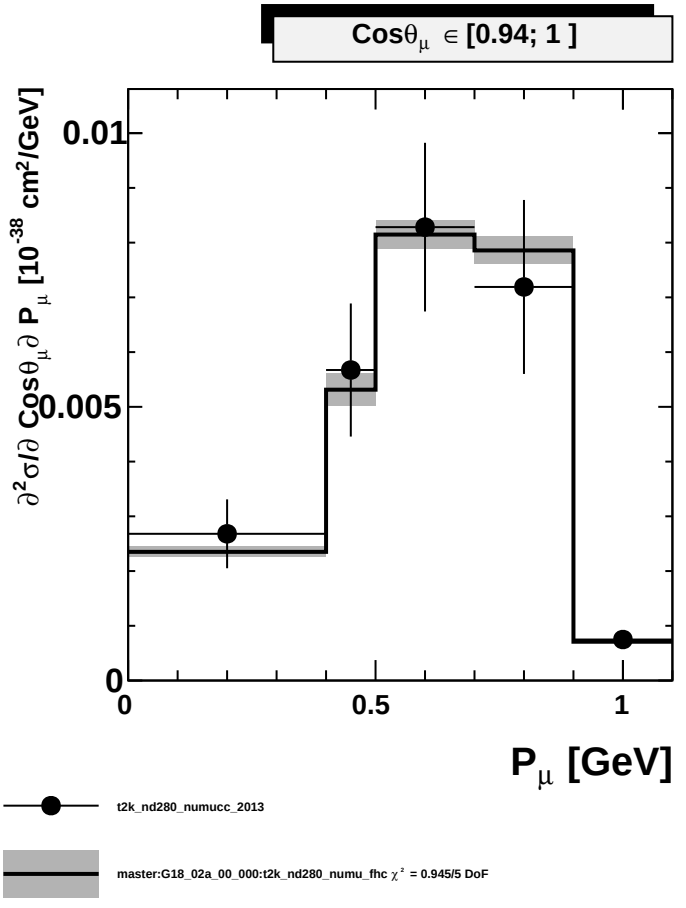

$P_\mu \in [0.7; 0.9]$ GeV
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu \partial P_\mu$ [10^{-38} cm^2/GeV]
0.01
0.005
0
0.8
0.85
0.9
0.95
1
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc_2013
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 6.57/4 DoF


$P_\mu \in [0.9; 30]$ GeV
$\times 10^{-3}$
$\partial^2\sigma/\partial \mathrm{Cos}\theta_\mu \partial P_\mu$ [10^{-38} cm^2/GeV]
0.8
0.6
0.4
0.2
0
0.8
0.85
0.9
0.95
1
$\mathrm{Cos}\theta_\mu$
t2k_nd280_numucc_2013
master:G18_02a_00_000:t2k_nd280_numu_fhc χ^2 = 6.29/4 DoF


Cosθμ ∈ [0; 0.84]
∂²σ/∂ Cosθμ ∂ Pμ [10⁻³⁸ cm²/GeV]
0.008
0.006
0.004
0.002
0
0
0.5
1
Pμ [GeV]
t2k_nd280_numucc_2013
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 5.25/5 DoF


Cosθμ ∈ [0.84; 0.9]
∂²σ/∂ Cosθμ ∂ Pμ [10⁻³⁸ cm²/GeV]
0.01
0.005
0
0
0.5
1
Pμ [GeV]
t2k_nd280_numucc_2013
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 9.98/5 DoF


Cosθμ ∈ [0.9; 0.94]
∂²σ/∂ Cosθμ ∂ Pμ [10⁻³⁸ cm²/GeV]
0.01
0.005
0
0
0.5
1
Pμ [GeV]
t2k_nd280_numucc_2013
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 7.66/5 DoF


Cosθμ ∈ [0.94; 1]
∂²σ/∂ Cosθμ ∂ Pμ [10⁻³⁸ cm²/GeV]
0.01
0.005
0
0
0.5
1
Pμ [GeV]
t2k_nd280_numucc_2013
master:G18_02a_00_000:t2k_nd280_numu_fhc χ² = 0.945/5 DoF