

p: [2.20-2.50) GeV/c p: [2.20-2.50) GeV/c 45000F — Gaus u 6000 Gaus μ + 3σ — CB и CB μ + 3σ Entries: 594972 40000 Gauss: Constant=39224.22 u=-0.069 5000 σ=1.05 v<sup>2</sup>/NDF=3.3e+02 35000 Constant=21917.83 u=-0.047  $\sigma = 0.971$  $\alpha = 1.4$ 30000 4000 γ<sup>2</sup>/NDF=60 25000F 3000 20000 15000 2000 10000F 1000 5000 8 10 chi2pid 6

Gaus u

— CB и

Gaus μ + 3σ

Entries: 97320

Constant=5055 62

v<sup>2</sup>/NDF=1.3e+02

Constant=0.00

CB μ ± 3σ

Gauss:

u=-0.162

u=-0.209

γ<sup>2</sup>/NDF=42

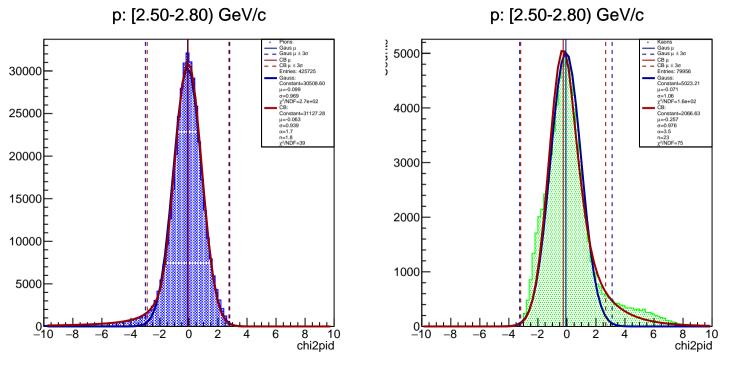
8 10 chi2pid

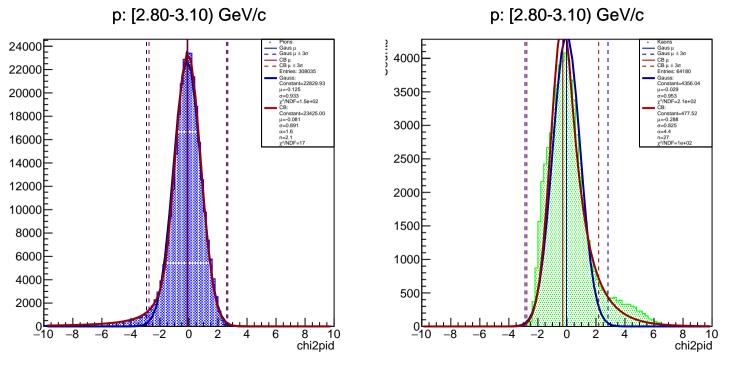
σ=1.27

 $\alpha = 2.9$ 

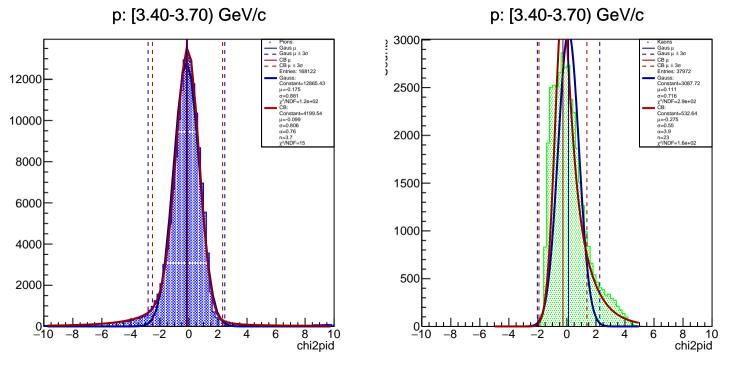
n=8.1

σ=1.33

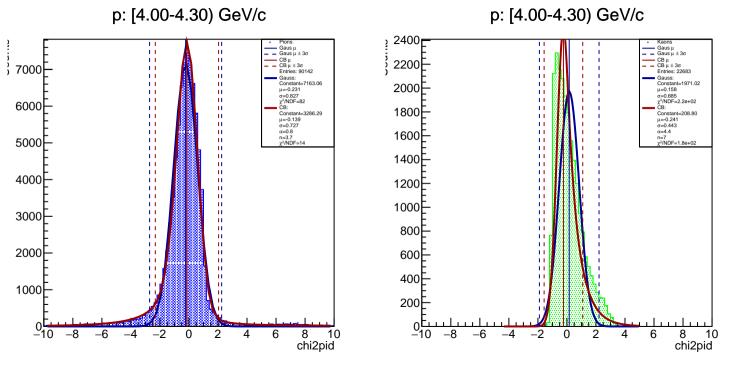


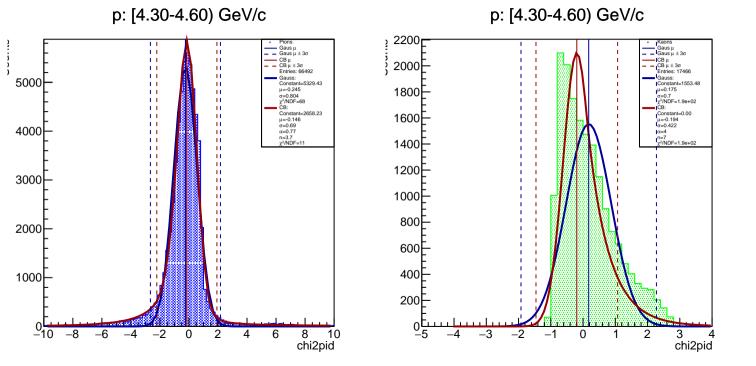


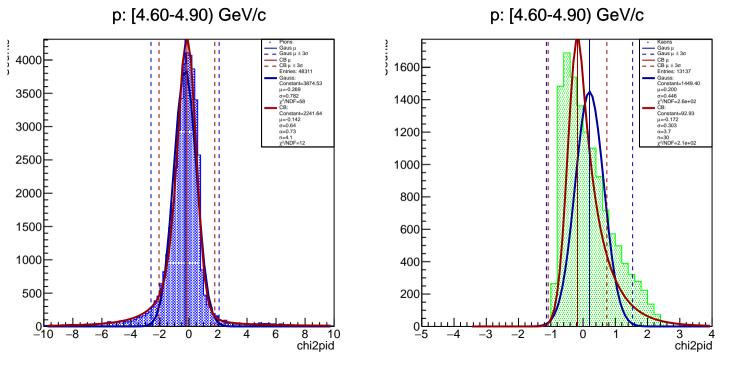
p: [3.10-3.40) GeV/c p: [3.10-3.40) GeV/c 18000F Pions
Gaus u П Gaus u п Gaus μ + 3σ Gaus μ ± 3σ — СВ и - CB μ ± 3σ Entries: 228914 Entries: 49001 16000 п Gauss: 3000 Gauss: Constant=16996 23 Constant=3713.86 u=-0.144 u=0.039 σ=0.918 σ=0.814 γ<sup>2</sup>/NDF=1.3e+02 γ<sup>2</sup>/NDF=2.4e+02 14000 Constant=17466.69 Constant=626.09 u=-0.101 2500 u=-0.247  $\sigma = 0.853$ σ=0.684  $\alpha = 1.5$  $\alpha = 4.6$ 12000 n=2.3 γ<sup>2</sup>/NDF=13 y2/NDF=1.4e+02 2000 10000 8000 1500 6000 1000 4000 500 2000 8 10 chi2pid 8 10 chi2pid 2

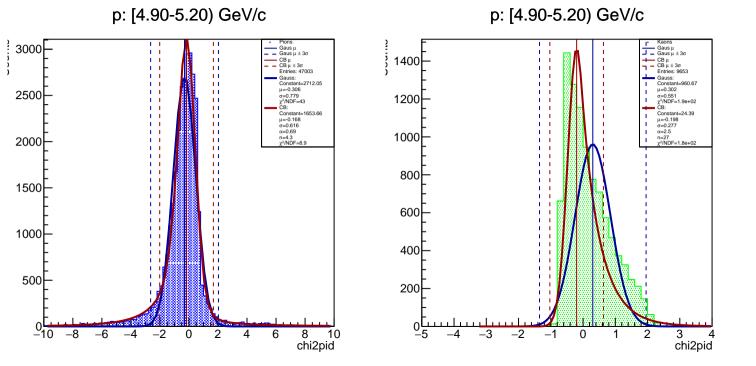


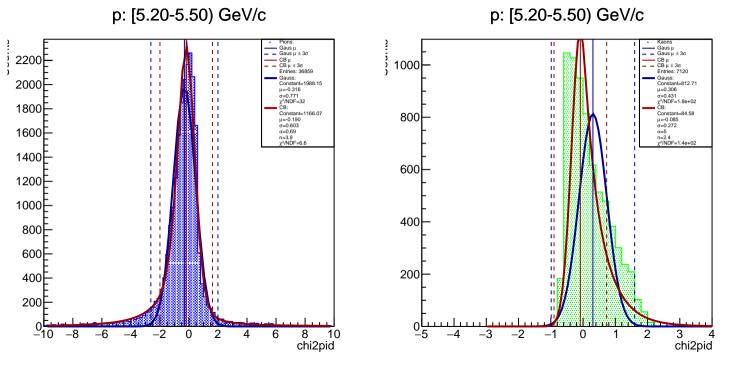
p: [3.70-4.00) GeV/c p: [3.70-4.00) GeV/c 2500 10000 — Gaus u Gaus u 1.1 Gaus μ + 3σ Gaus μ ± 3σ 11 — СВ и — CB μ — CB μ ± 3σ Entries: 29327 - CB μ ± 3σ Entries: 122699 1.1 Gauss: Gauss: Constant=2382.32 1.1 Constant=9625.17 u=-0.199 u=0.107 1.1 σ=0.849 σ=0.78 γ<sup>2</sup>/NDF=1e+02 2000 γ<sup>2</sup>/NDF=2e+02 8000 1.1 Constant=4078.36 Constant=323.36 1.1 u=-0.116 u=-0.141 1.1  $\sigma = 0.761$ σ=0.604 1.1 α=0.83 α=2.7 n=3.6 γ<sup>2</sup>/NDF=15 γ<sup>2</sup>/NDF=1.5e+02 1500 6000 1.1 1000 4000 1.1 1.1 2000 500 8 10 chi2pid -2 6

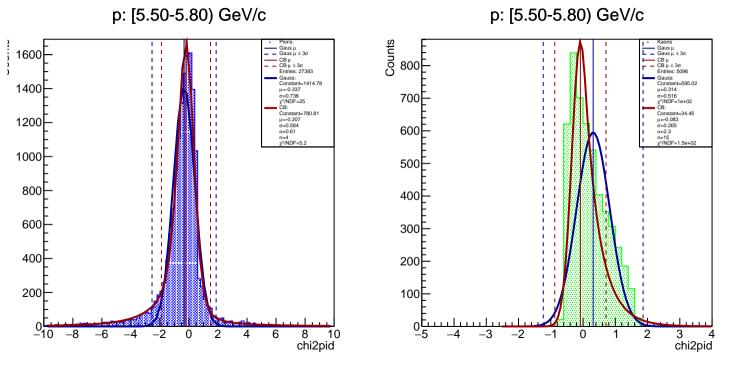


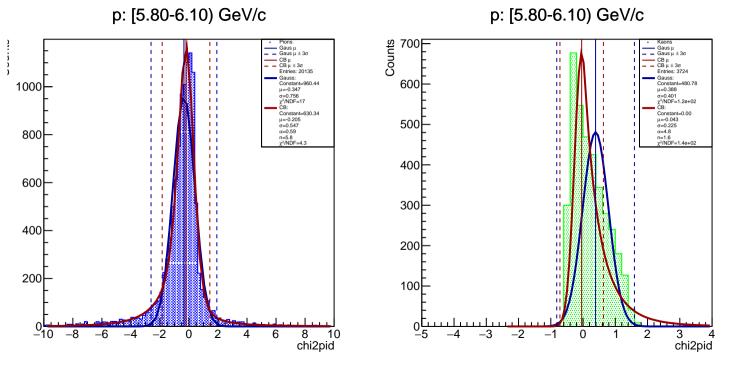


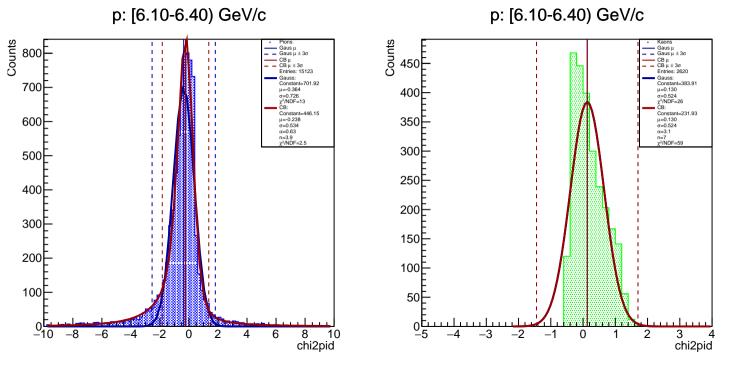


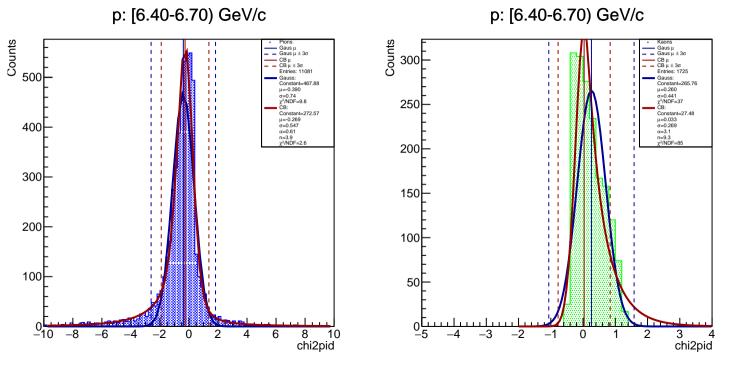


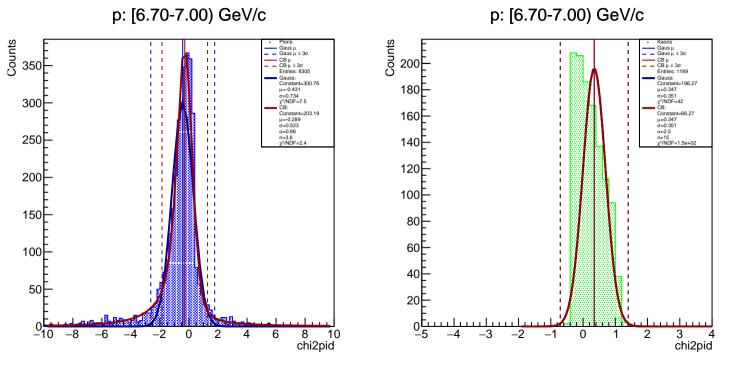


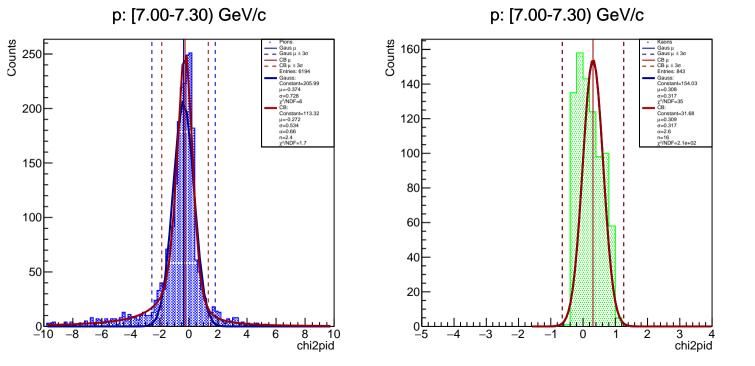


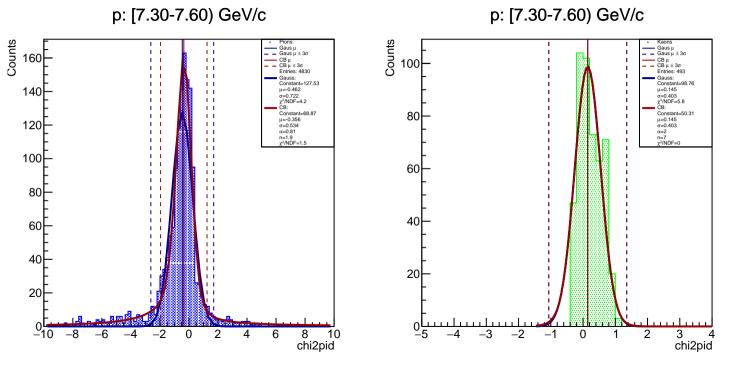


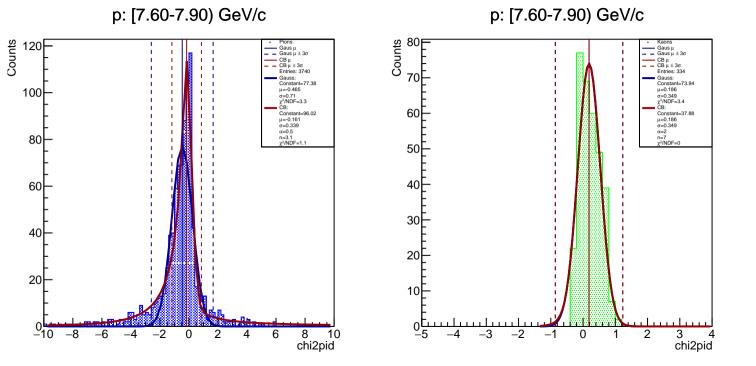


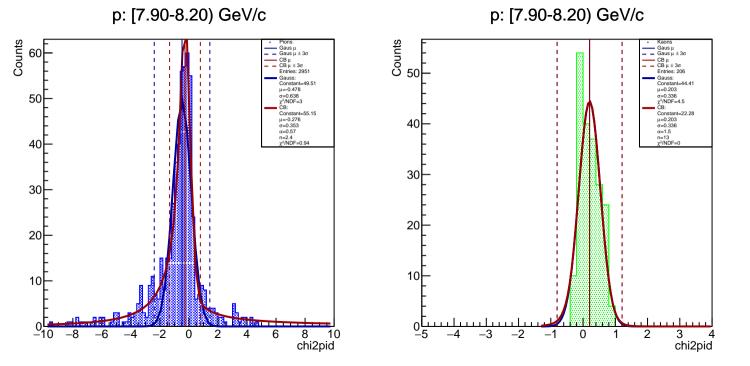


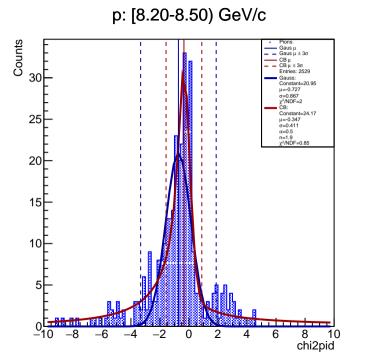




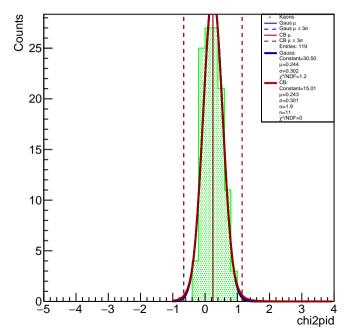






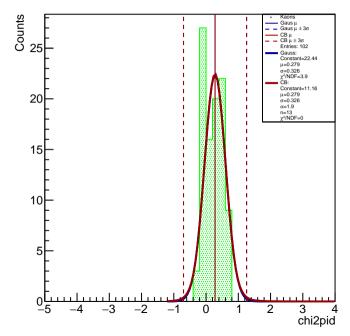


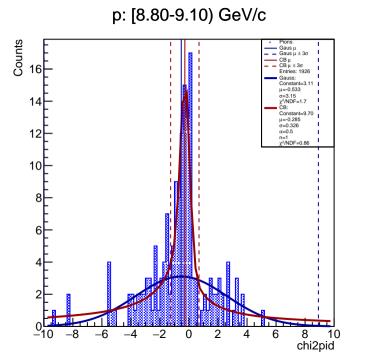
p: [8.20-8.50) GeV/c



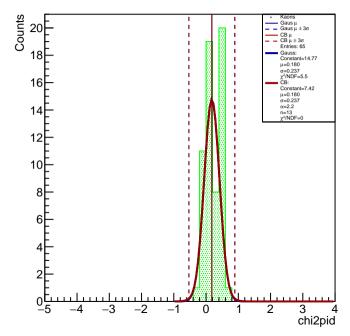
p: [8.50-8.80) GeV/c Counts Pions
Gaus u Gaus μ ± 3σ Gauss: Constant=9.16 u=-0.764 σ=1.44 γ²/NDF=1.5 20 Constant=4.13 u=-0.716 σ=0.873 α=0.5 γ<sup>2</sup>/NDF=1.1 15 10 chi2pid

p: [8.50-8.80) GeV/c



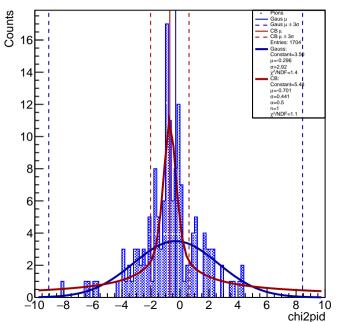


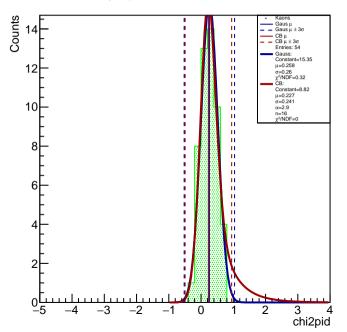
p: [8.80-9.10) GeV/c



p: [9.10-9.40) GeV/c

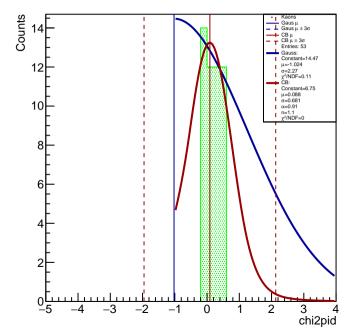
p: [9.10-9.40) GeV/c

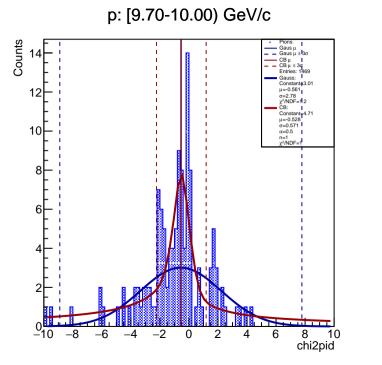




p: [9.40-9.70) GeV/c Counts - Pions - Gaus μ - Gaus μ ± Βσ — СВ ц - CB μ ± 3σ Entries: 1704 Gauss: Constant=3.38 μ=-1.332 σ=3.06 γ²/NDF=1 Constant=5.35 μ=-0.544 σ=0.634 α=0.5 χ²/NDF=0.76 chi2pid

p: [9.40-9.70) GeV/c





p: [9.70-10.00) GeV/c

