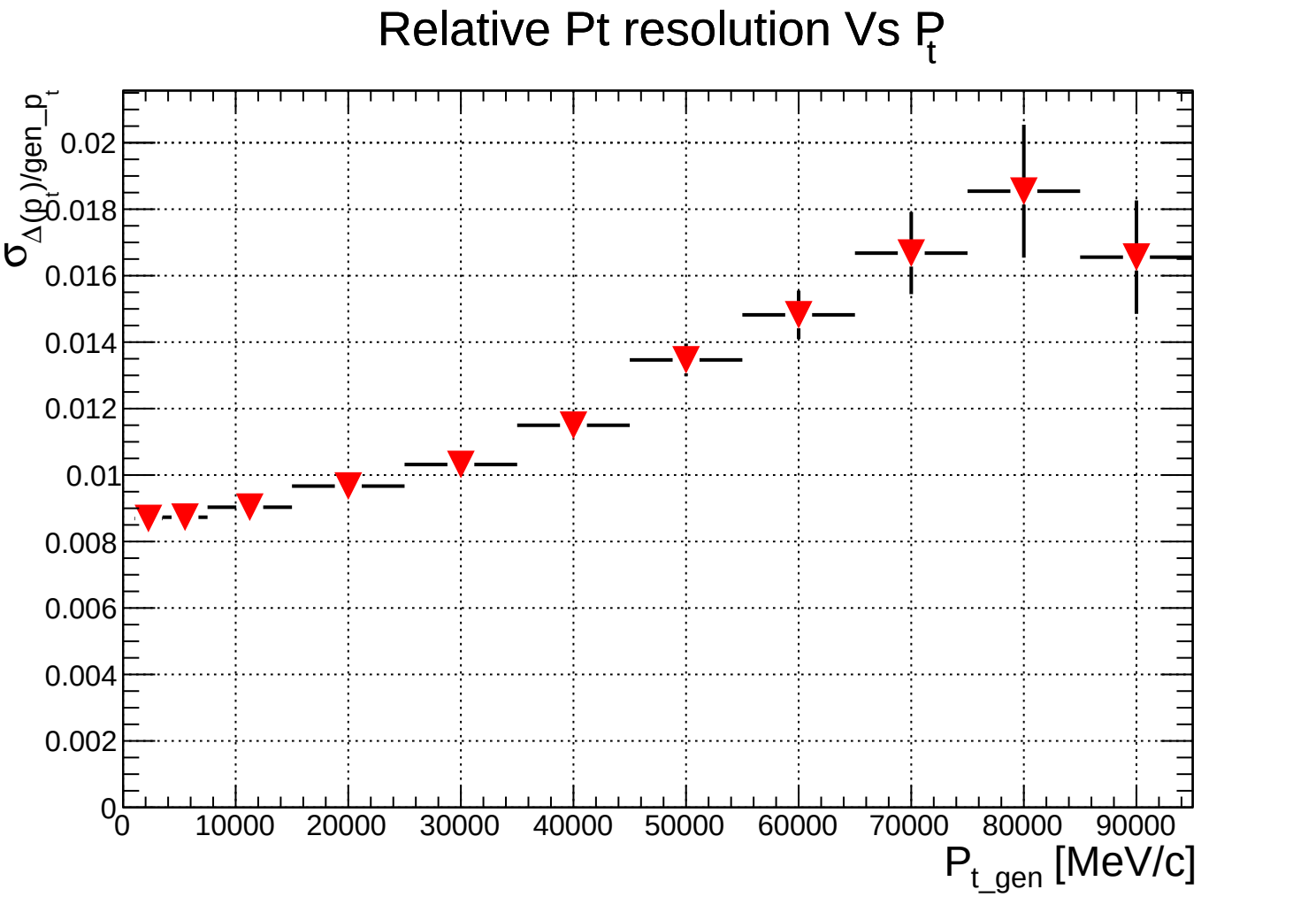
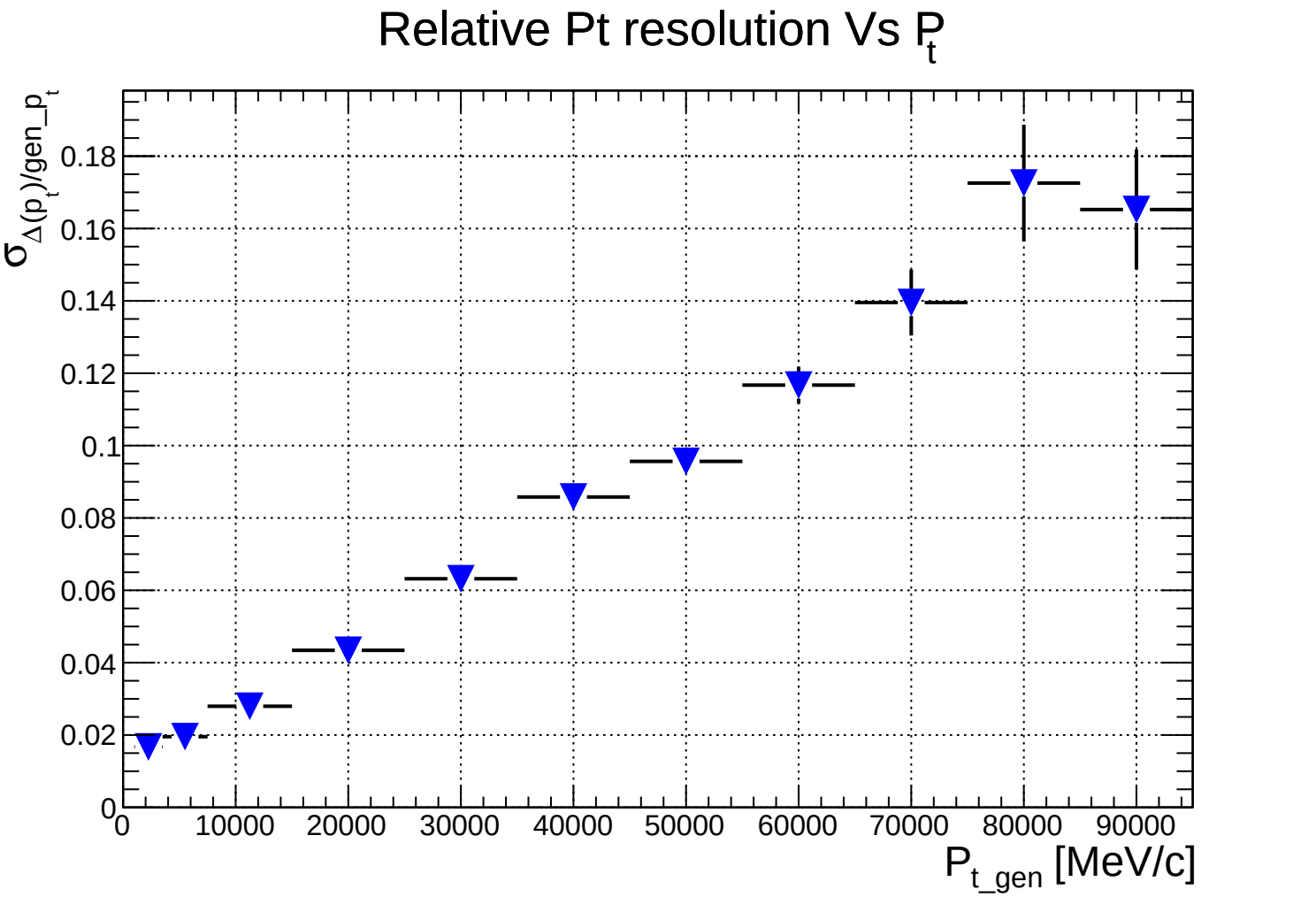
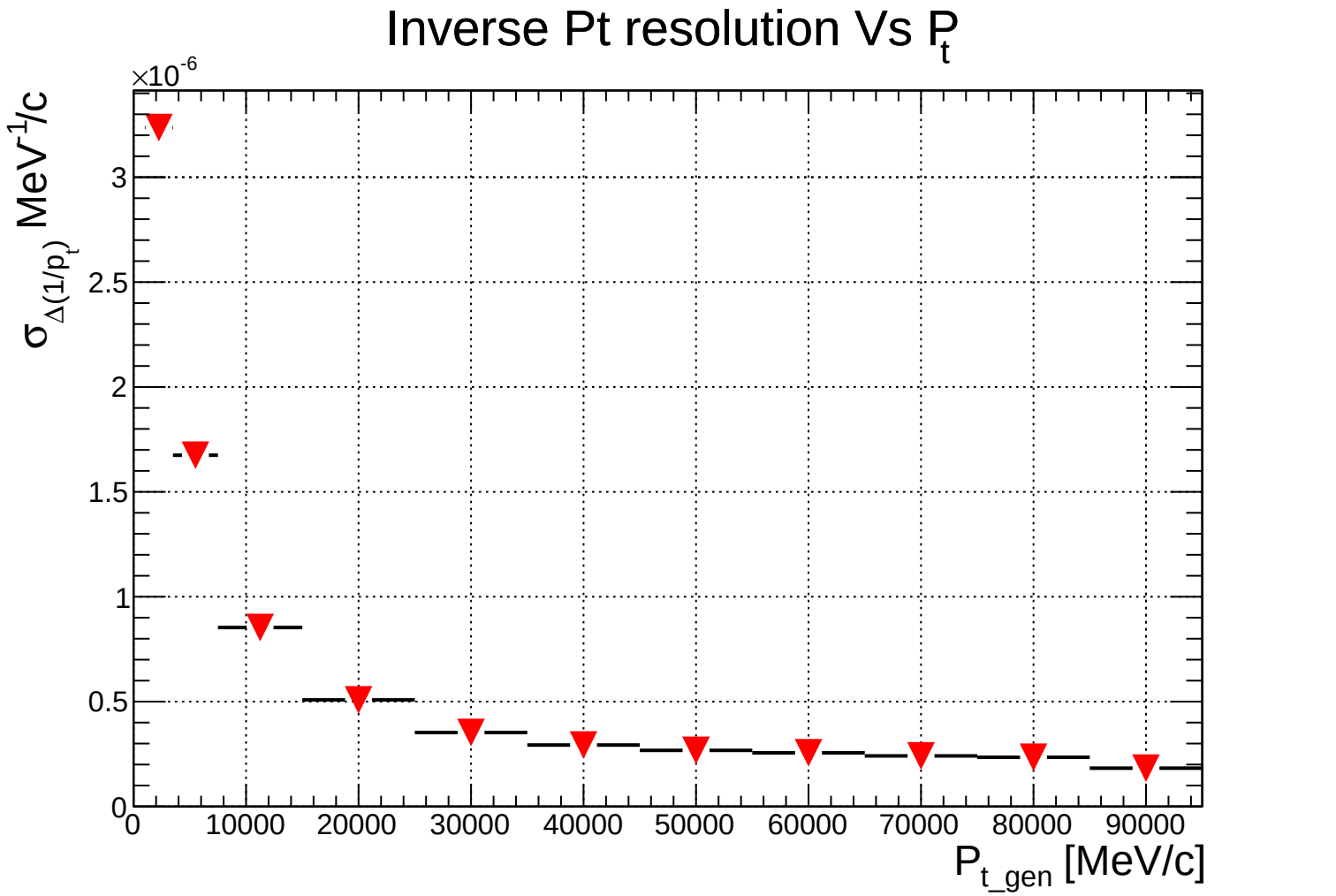
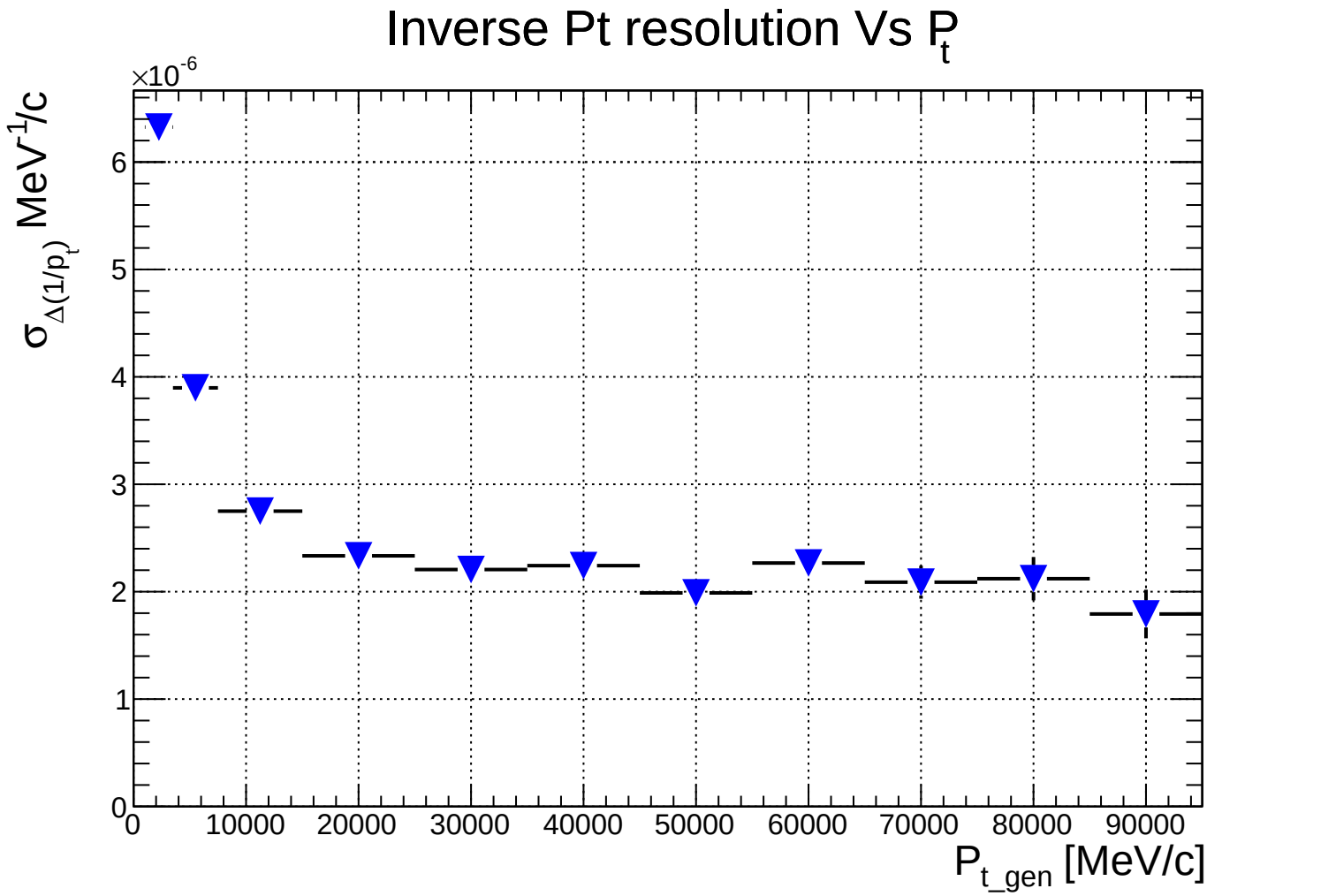
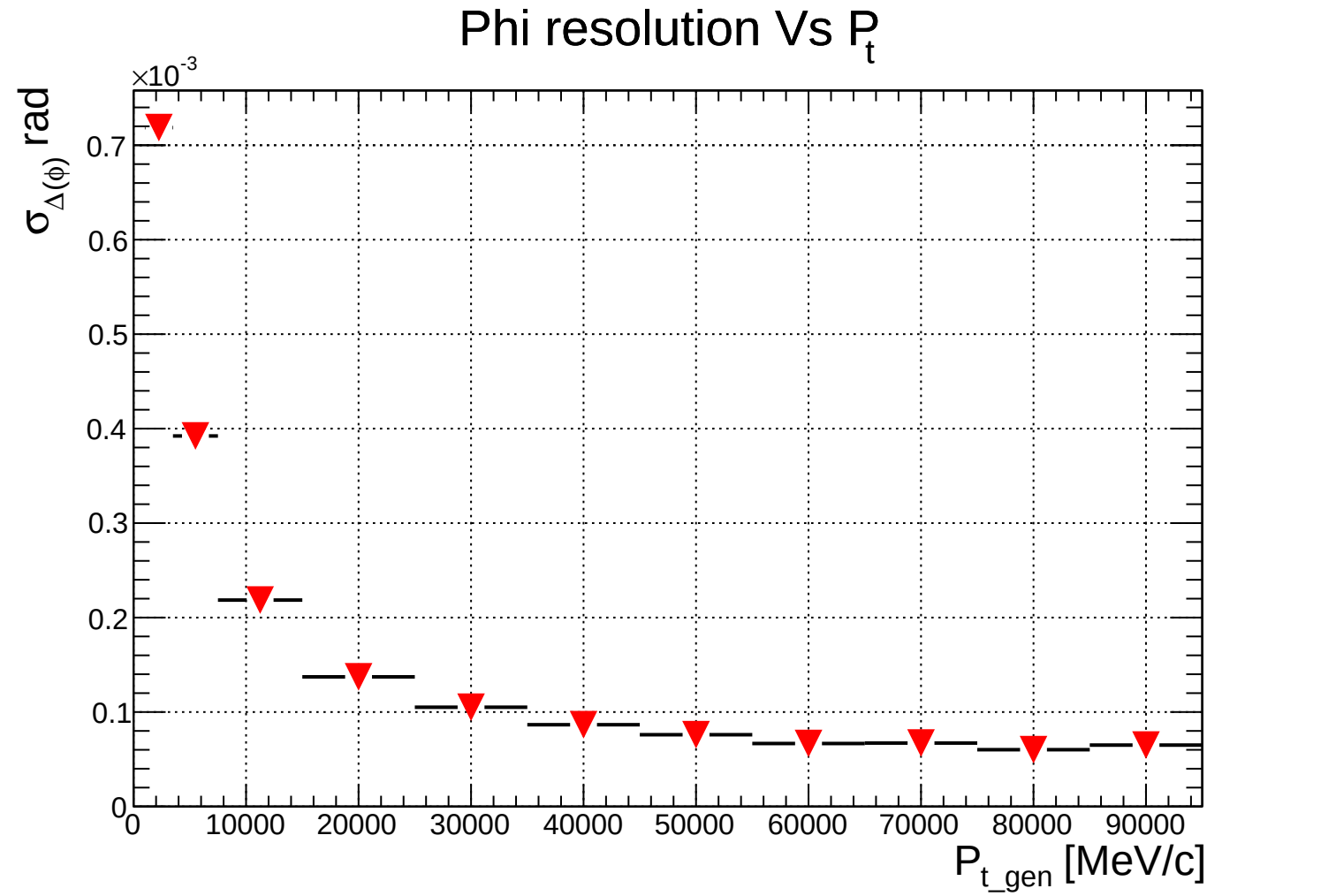
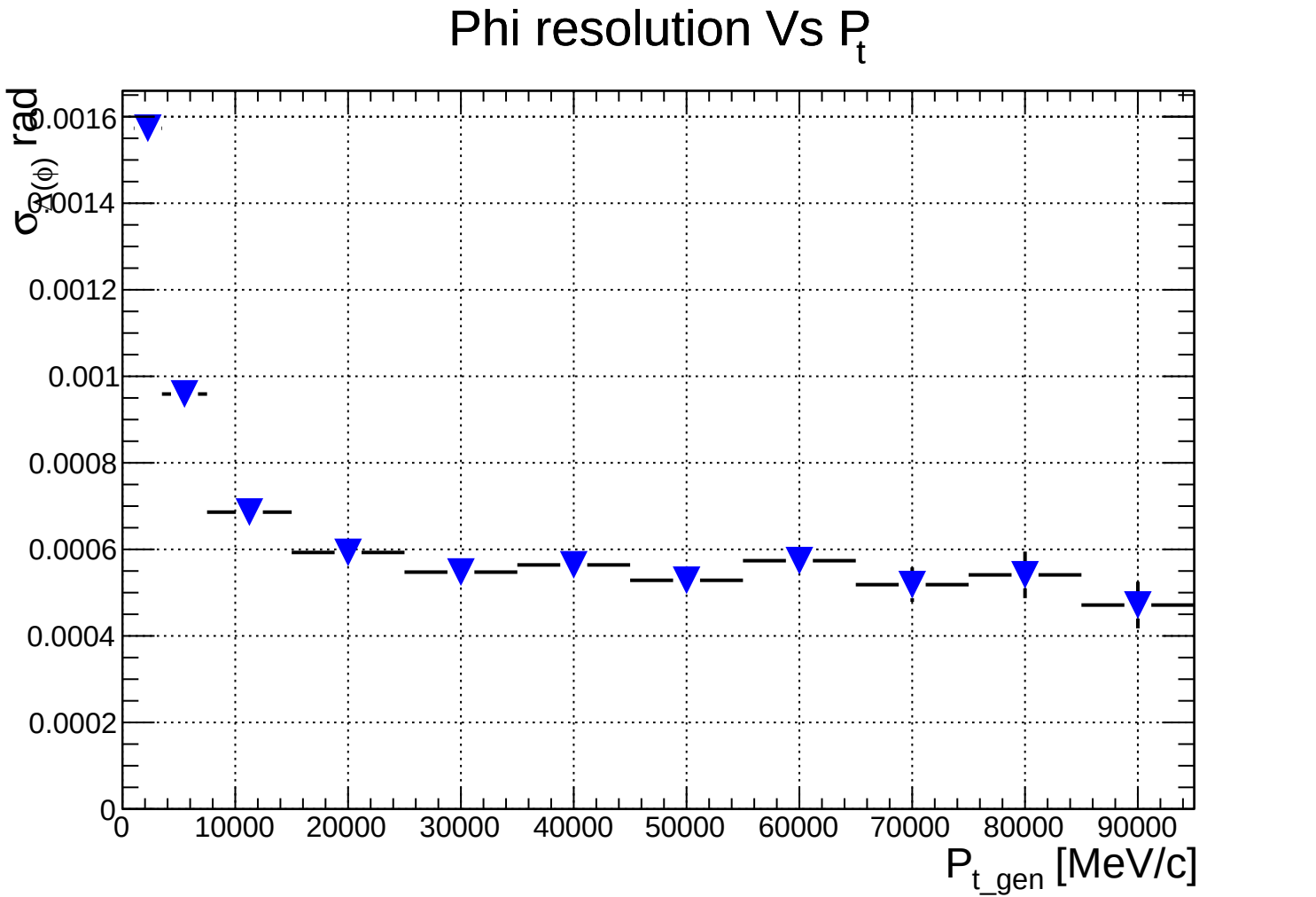

Relative Pt resolution Vs P_t
σ_Δ(p_t)/gen_p_t
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_t_gen [MeV/c]


Relative Pt resolution Vs P_t
σ_Δ(p_t)/gen_p_t
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_t_gen [MeV/c]

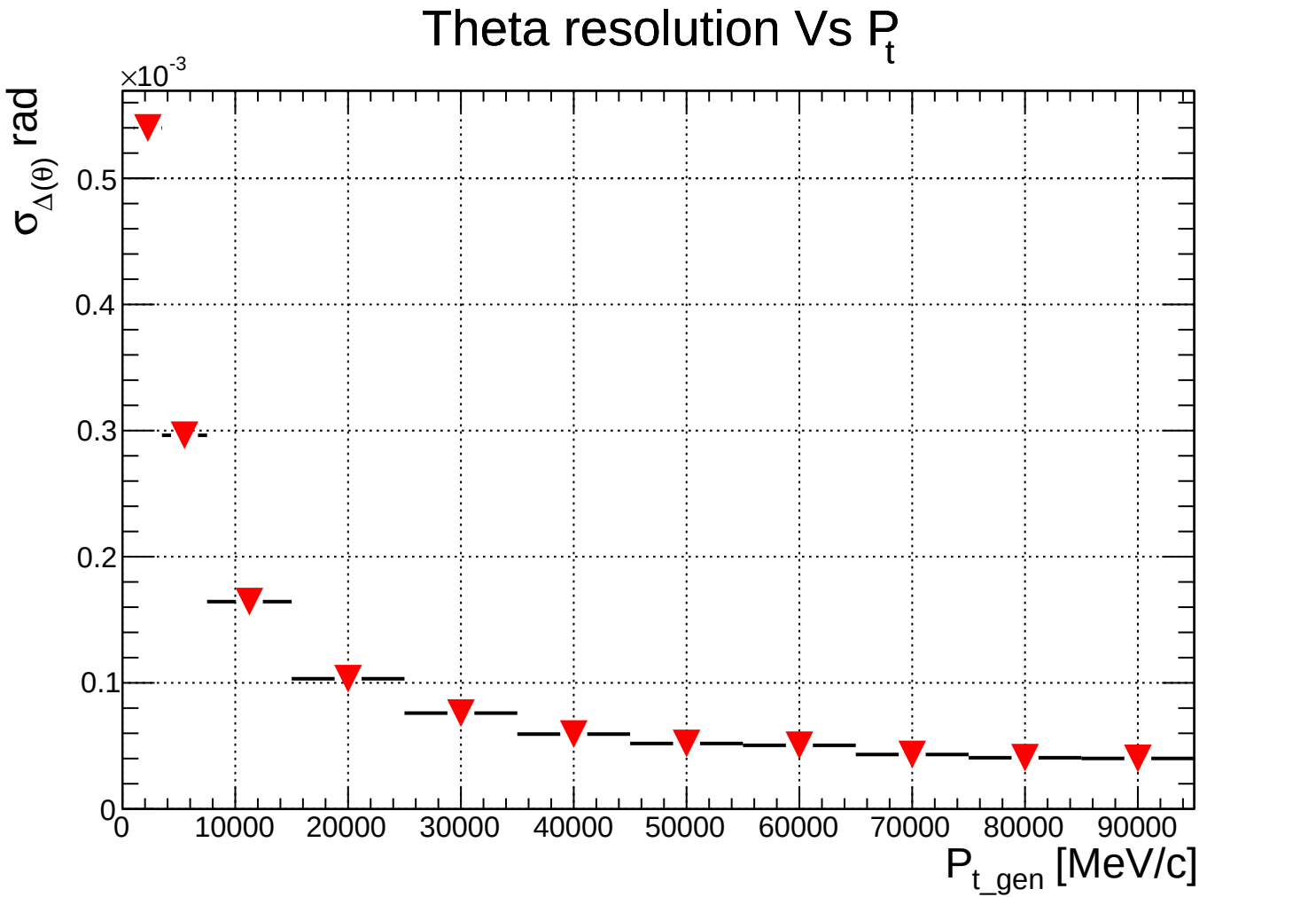

Inverse Pt resolution Vs P_t
×10^-6
σ_Δ(1/p_t) MeV^-1/c
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_t_gen [MeV/c]

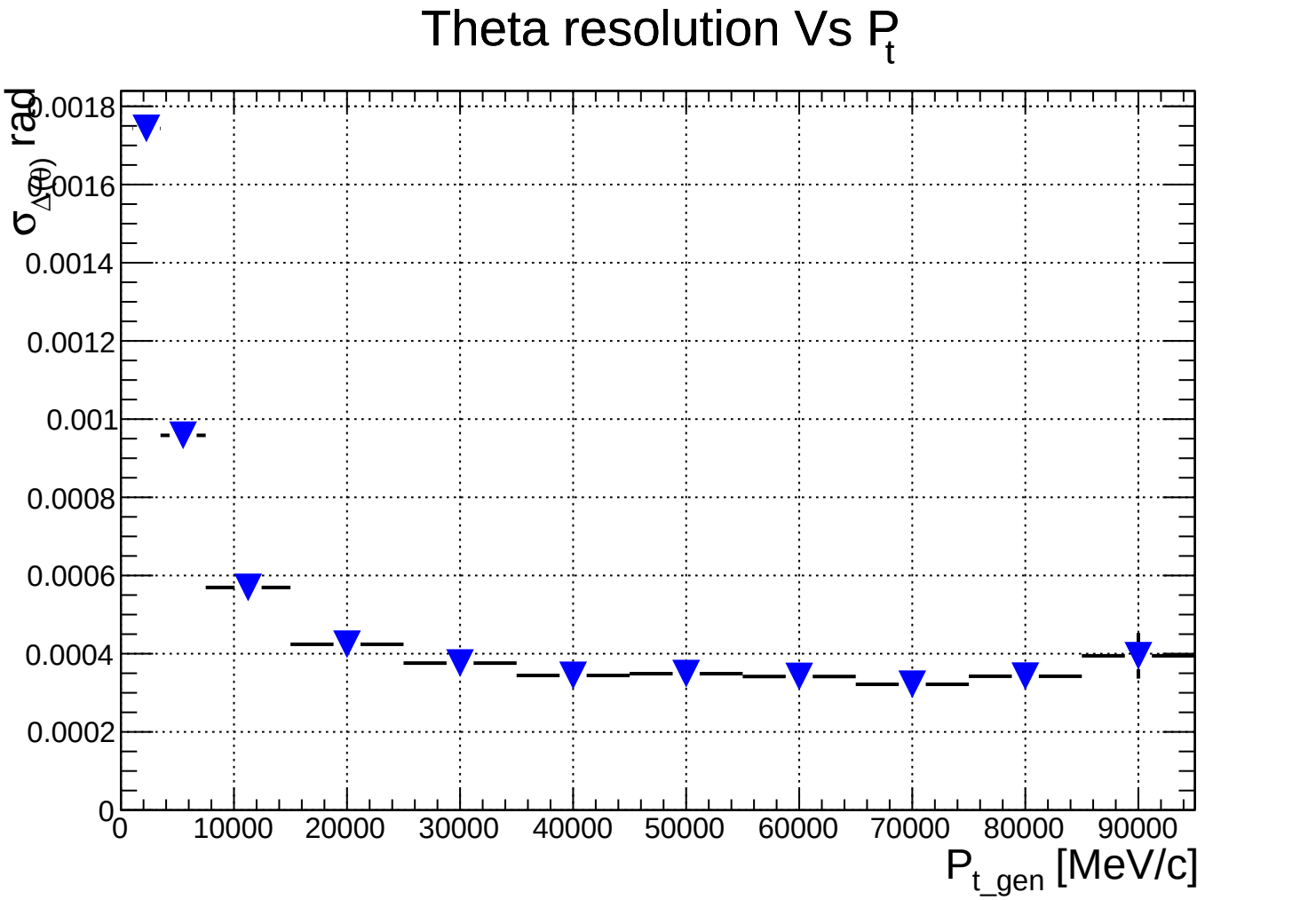

Inverse Pt resolution Vs P_t
×10^-6
σ_Δ(1/p_t) MeV^-1/c
0
1
2
3
4
5
6
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_t_gen [MeV/c]

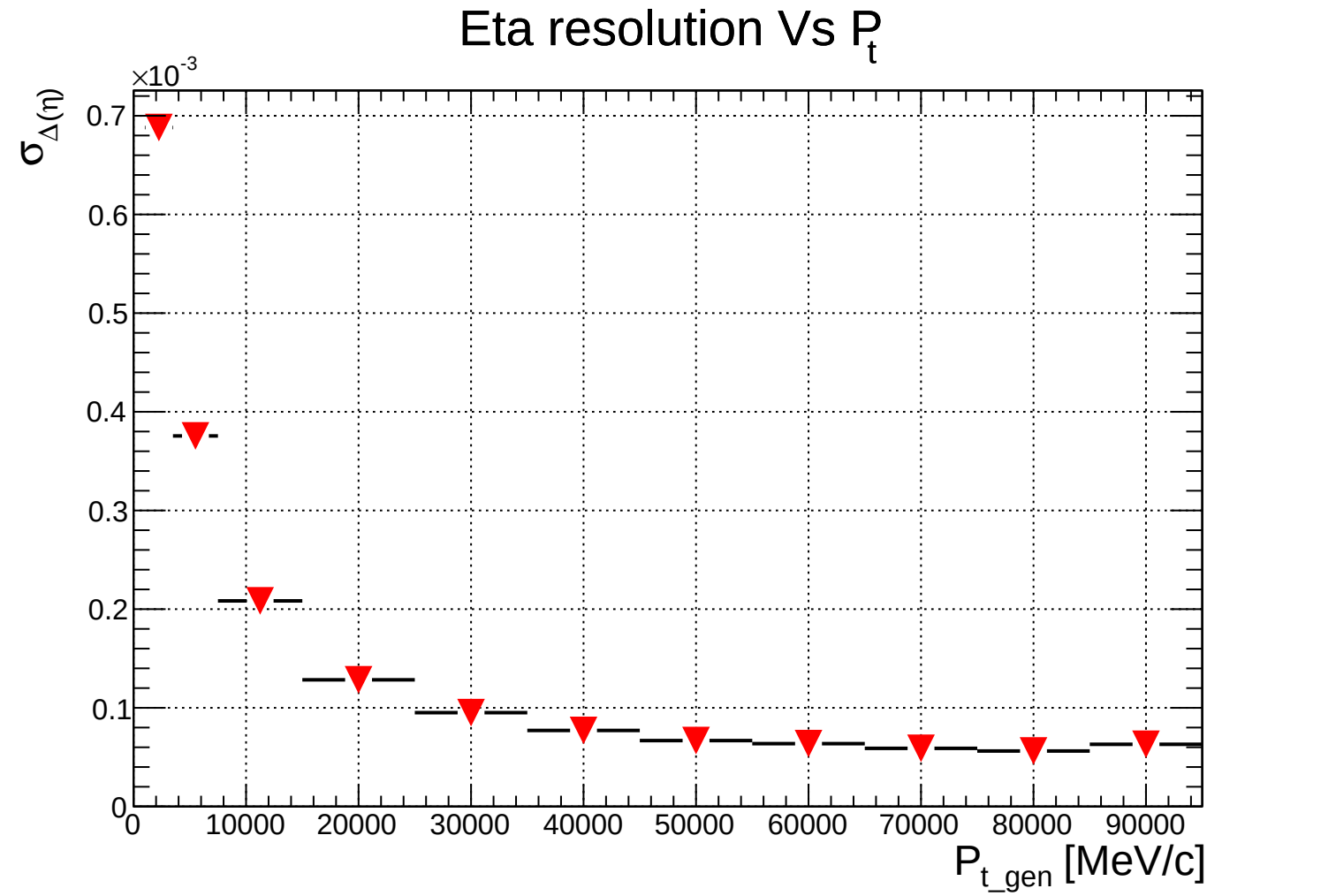

Phi resolution Vs P_t
×10^-3
σ_Δ(φ) rad
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_t_gen [MeV/c]

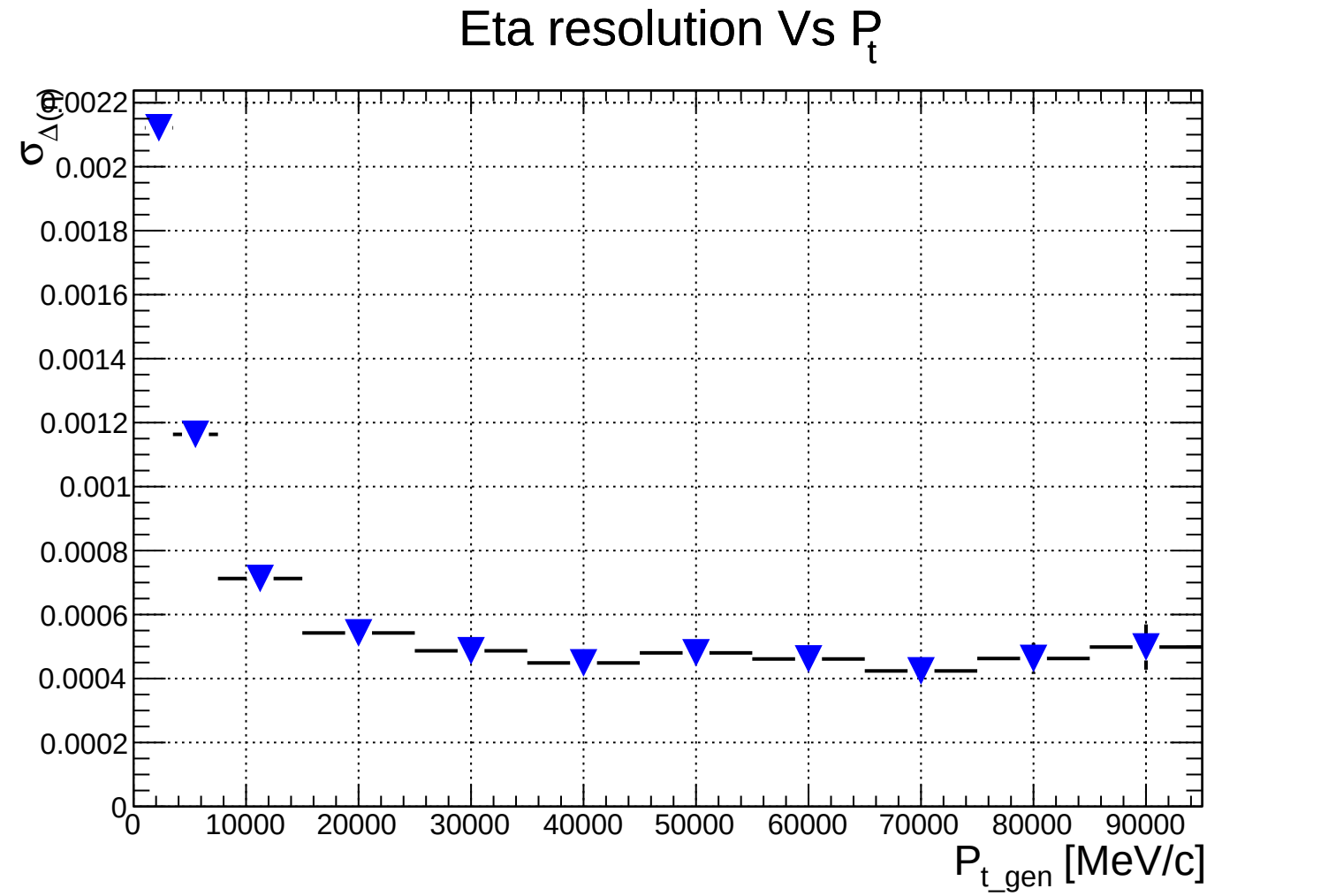


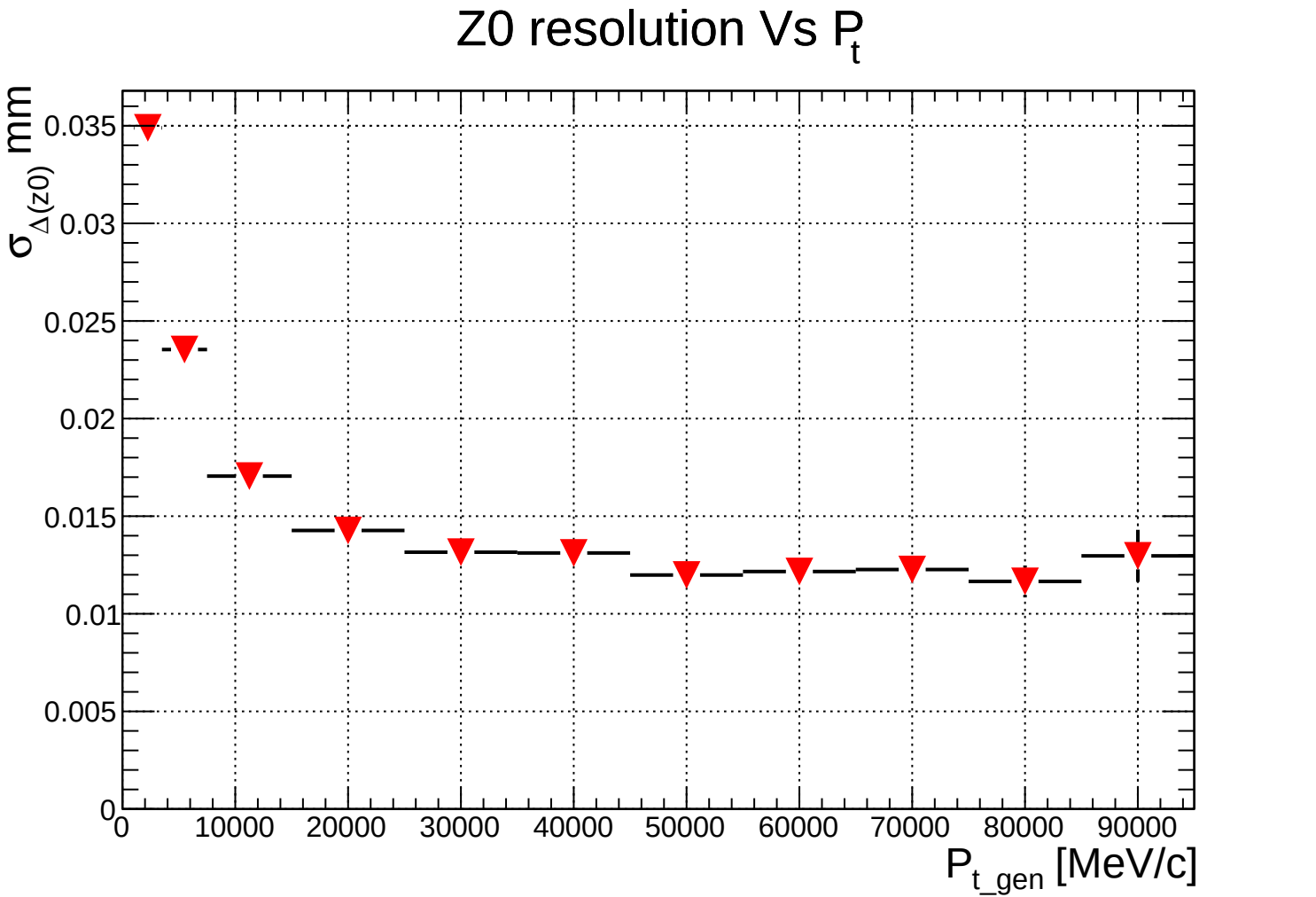
Phi resolution Vs P_t
$\sigma_{\Delta(\phi)}$ rad
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_{t_gen} [MeV/c]

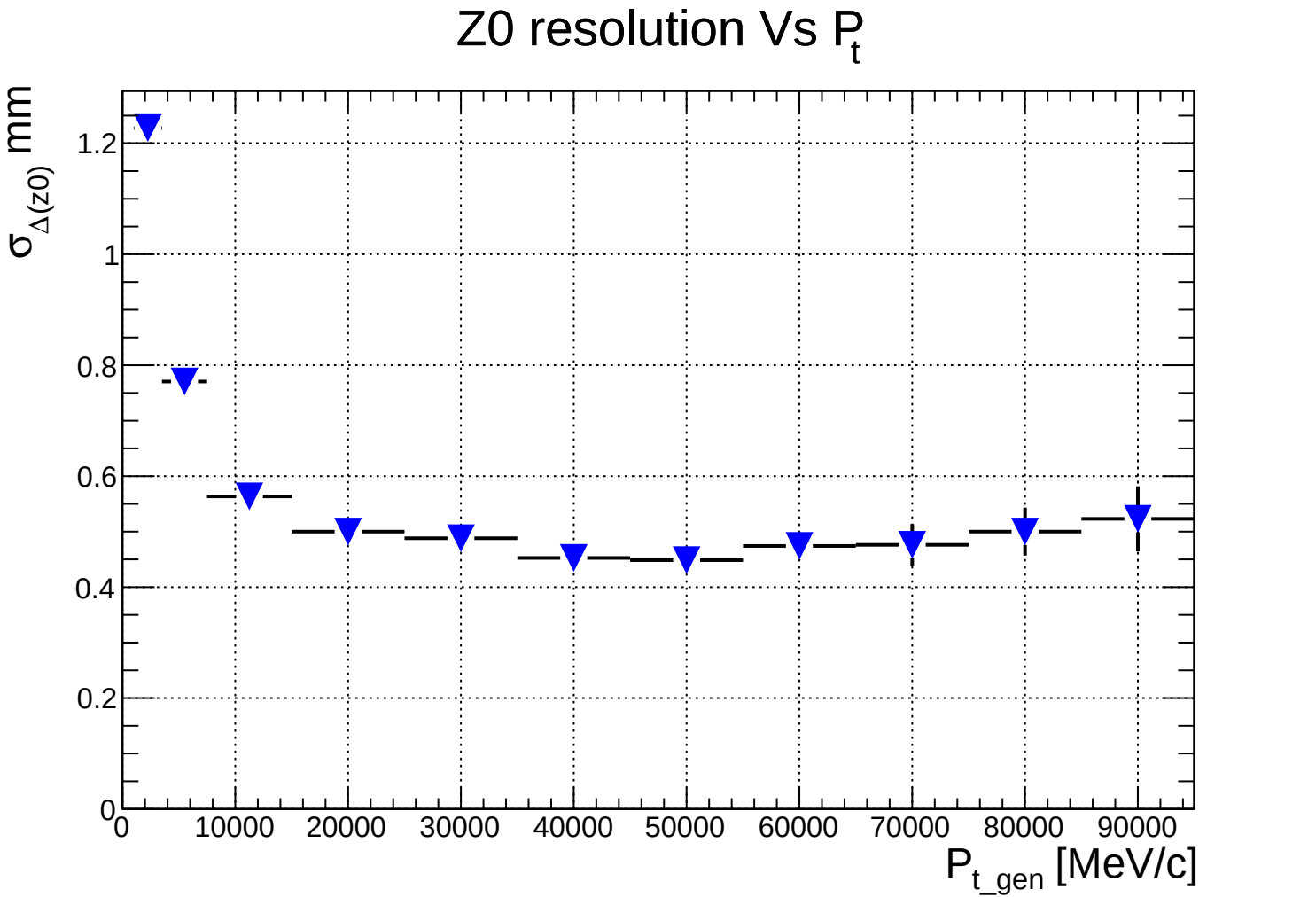

Theta resolution Vs P_t
×10^-3
σ_Δ(θ) rad
0.5
0.4
0.3
0.2
0.1
0
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_t_gen [MeV/c]

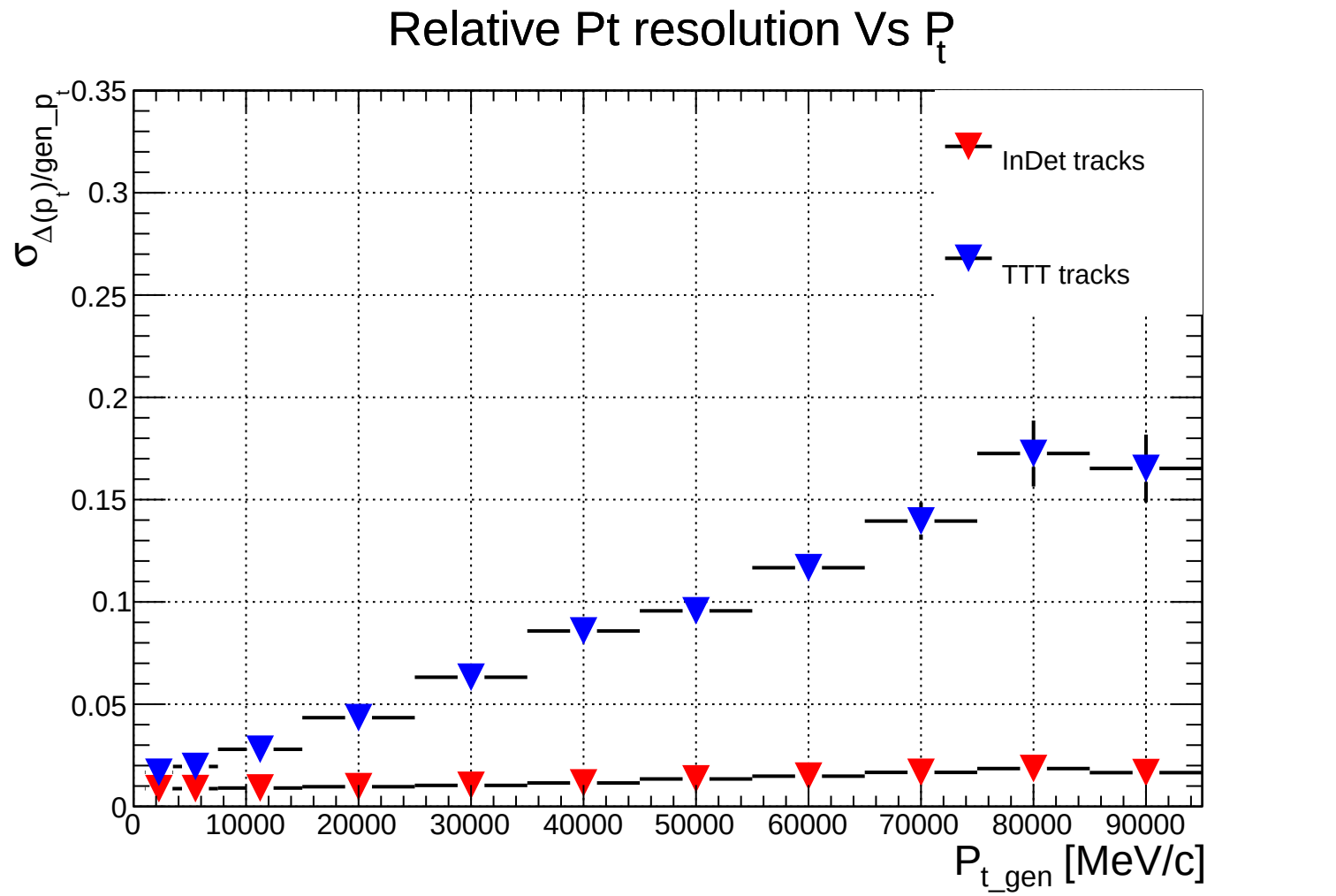

Theta resolution Vs P_t
$\sigma_{\Delta(\theta)}$ rad
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_{t_gen} [MeV/c]

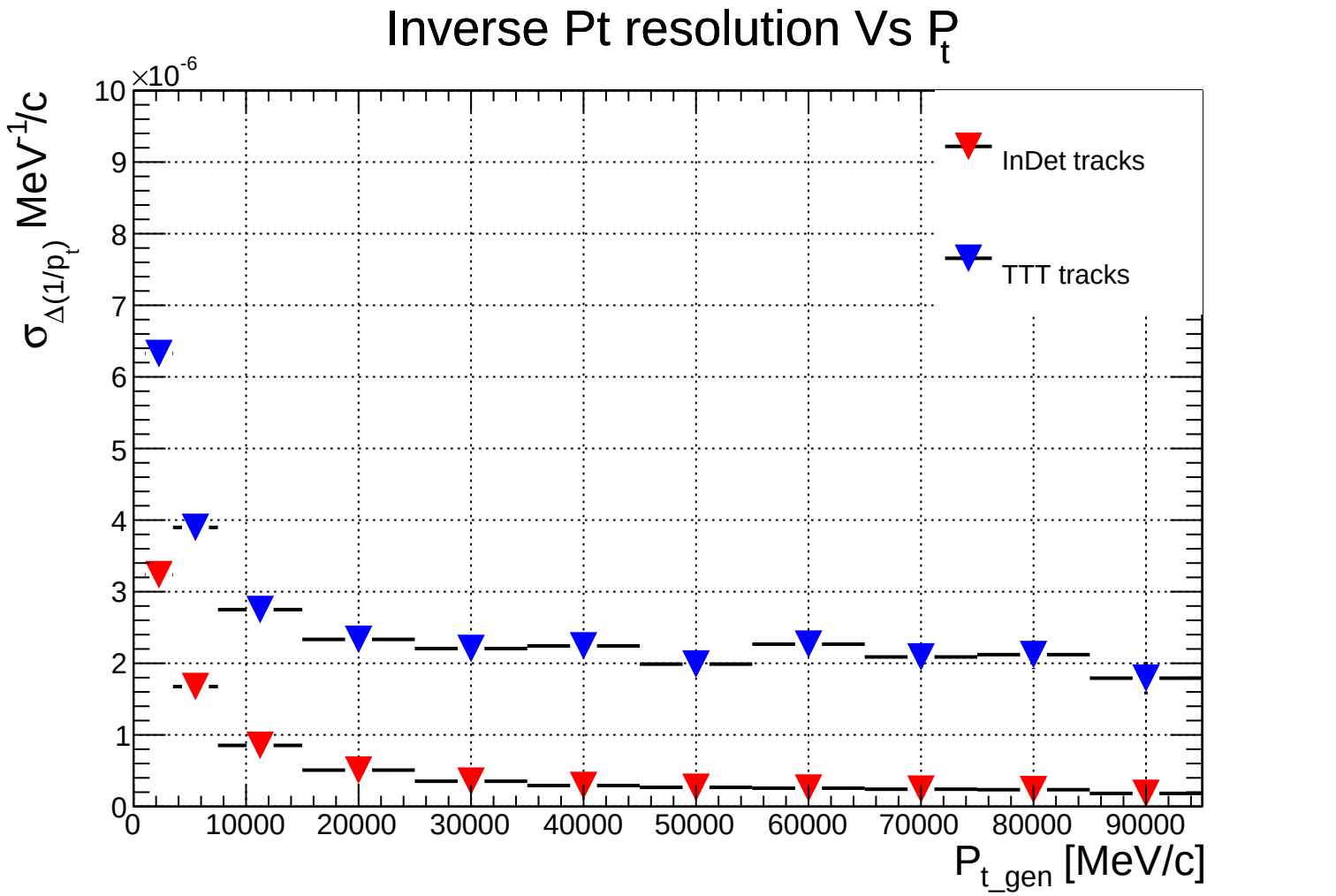

Eta resolution Vs P_t
×10^-3
σ_Δ(η)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_t_gen [MeV/c]

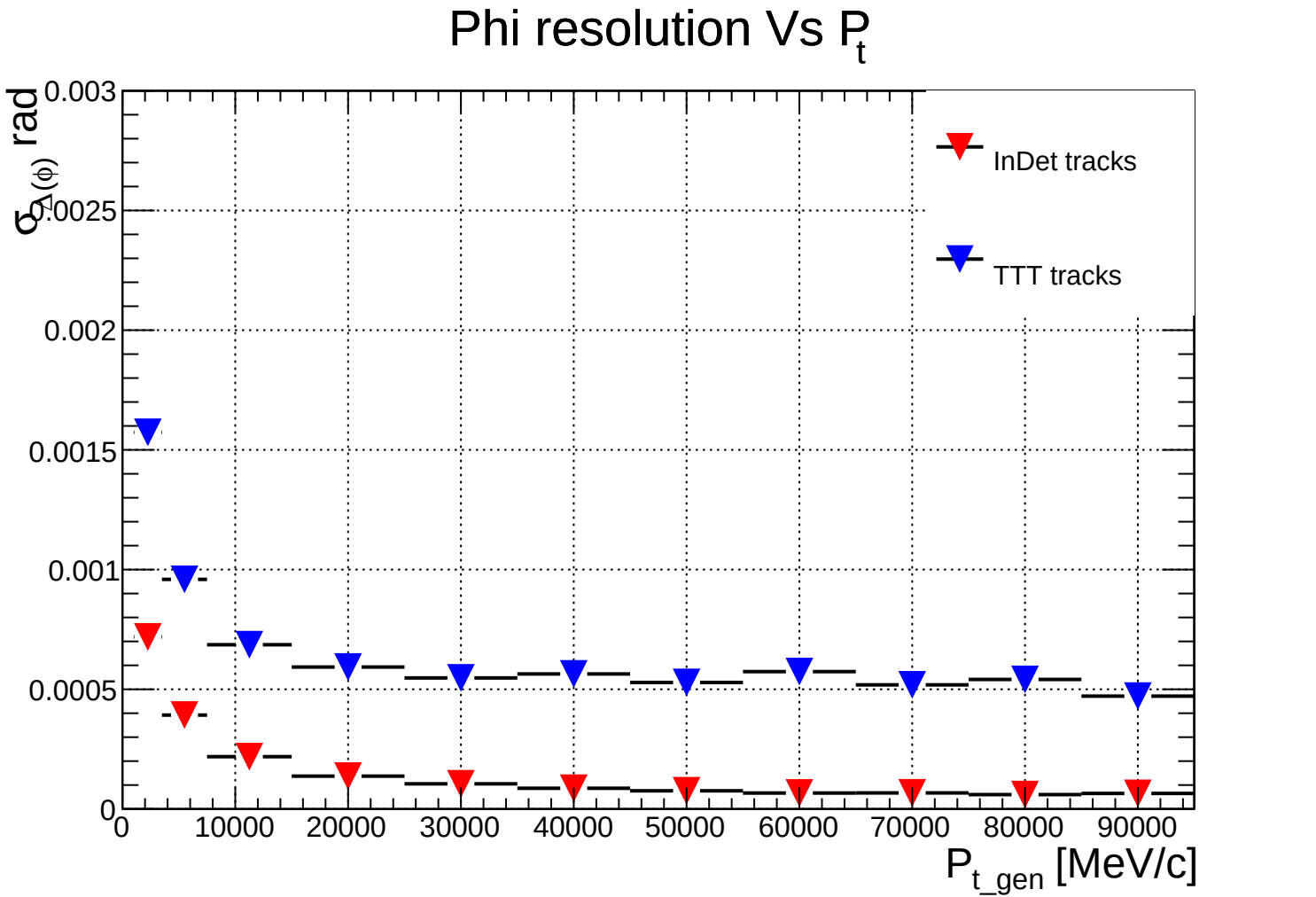

Eta resolution Vs P_t
σ_Δ(η)
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_t_gen [MeV/c]

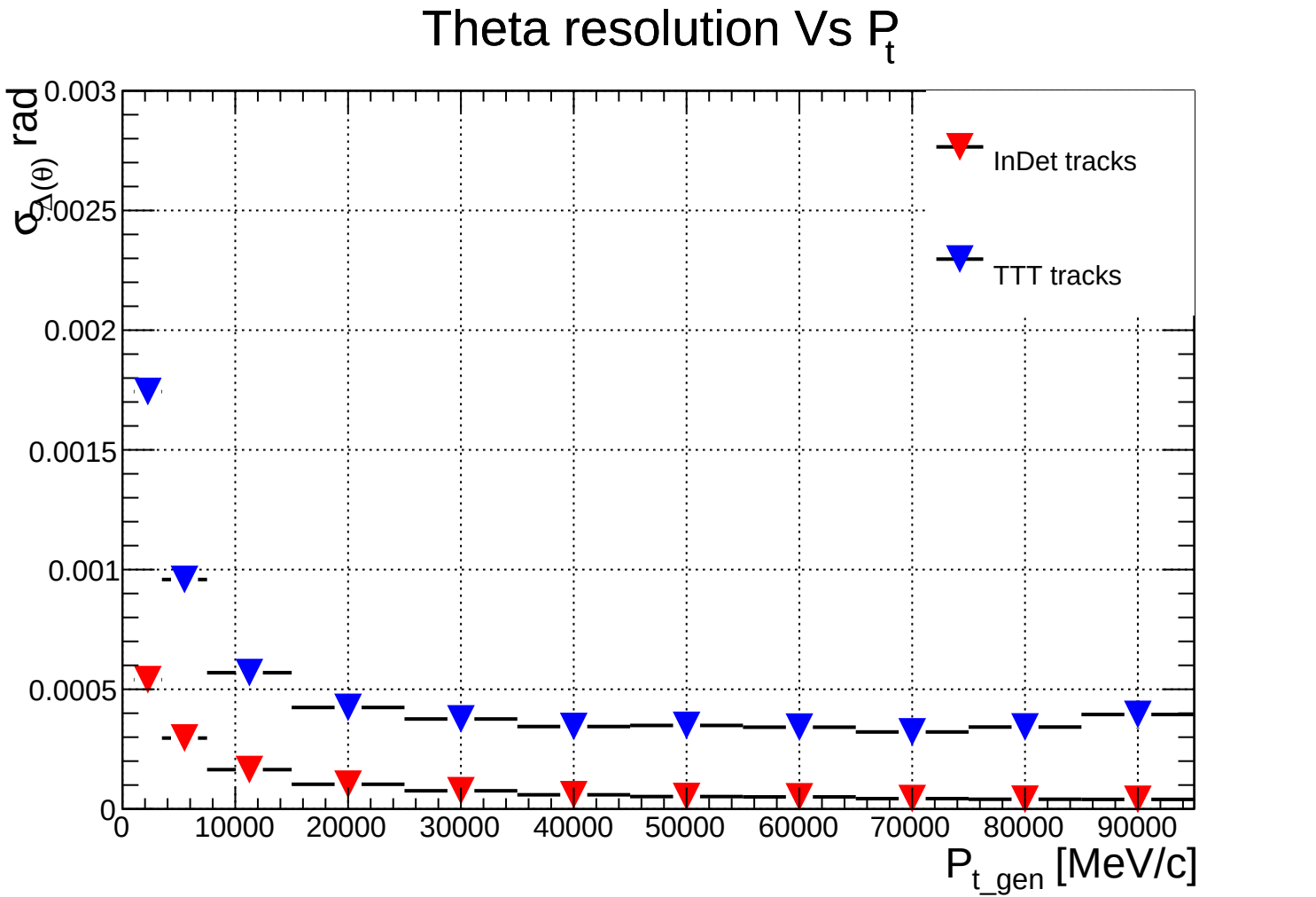

Z0 resolution Vs P_t
σ_Δ(z0) mm
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_t_gen [MeV/c]

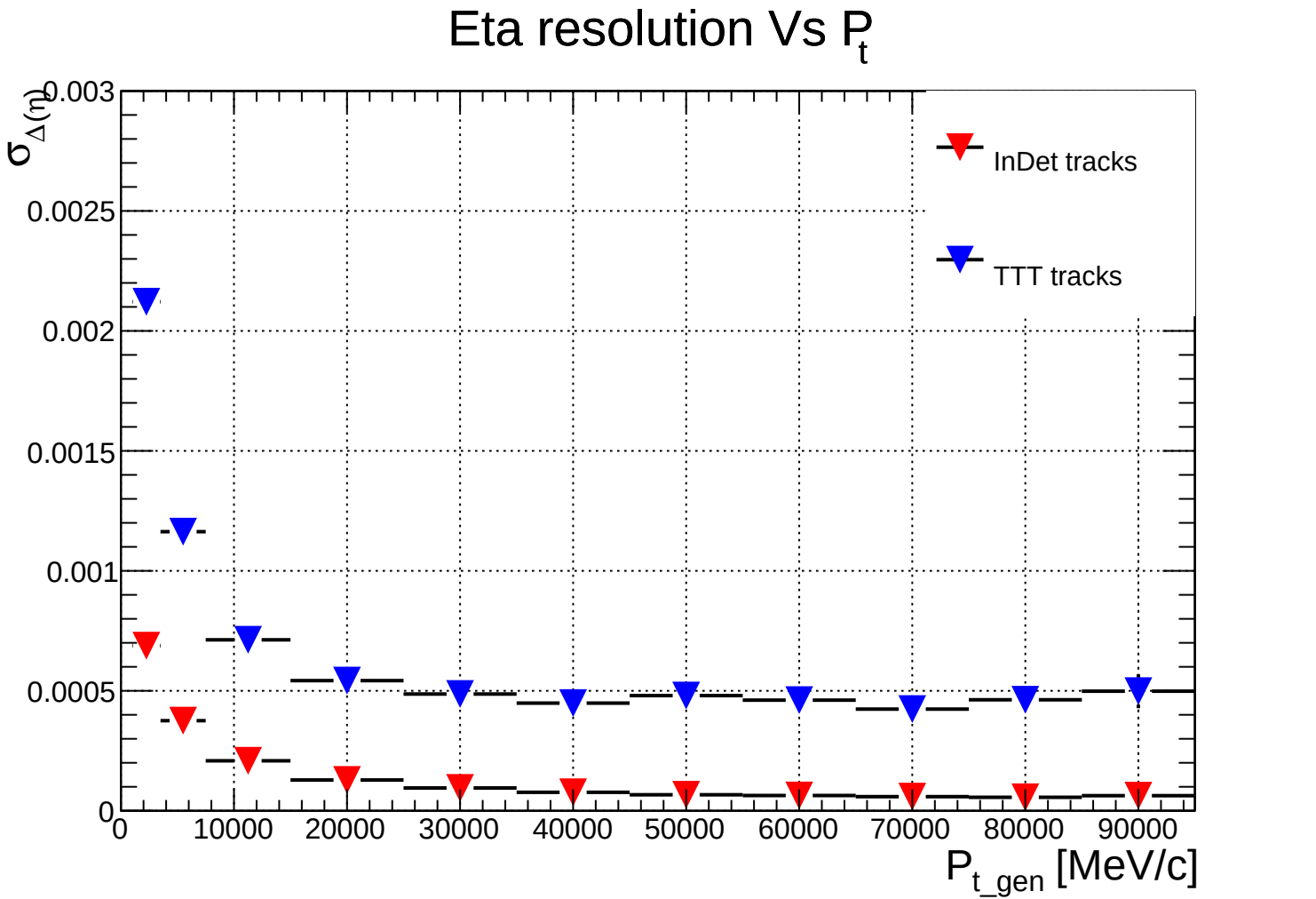

Z0 resolution Vs P_t
σ_Δ(z0) mm
1.2
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_t_gen [MeV/c]

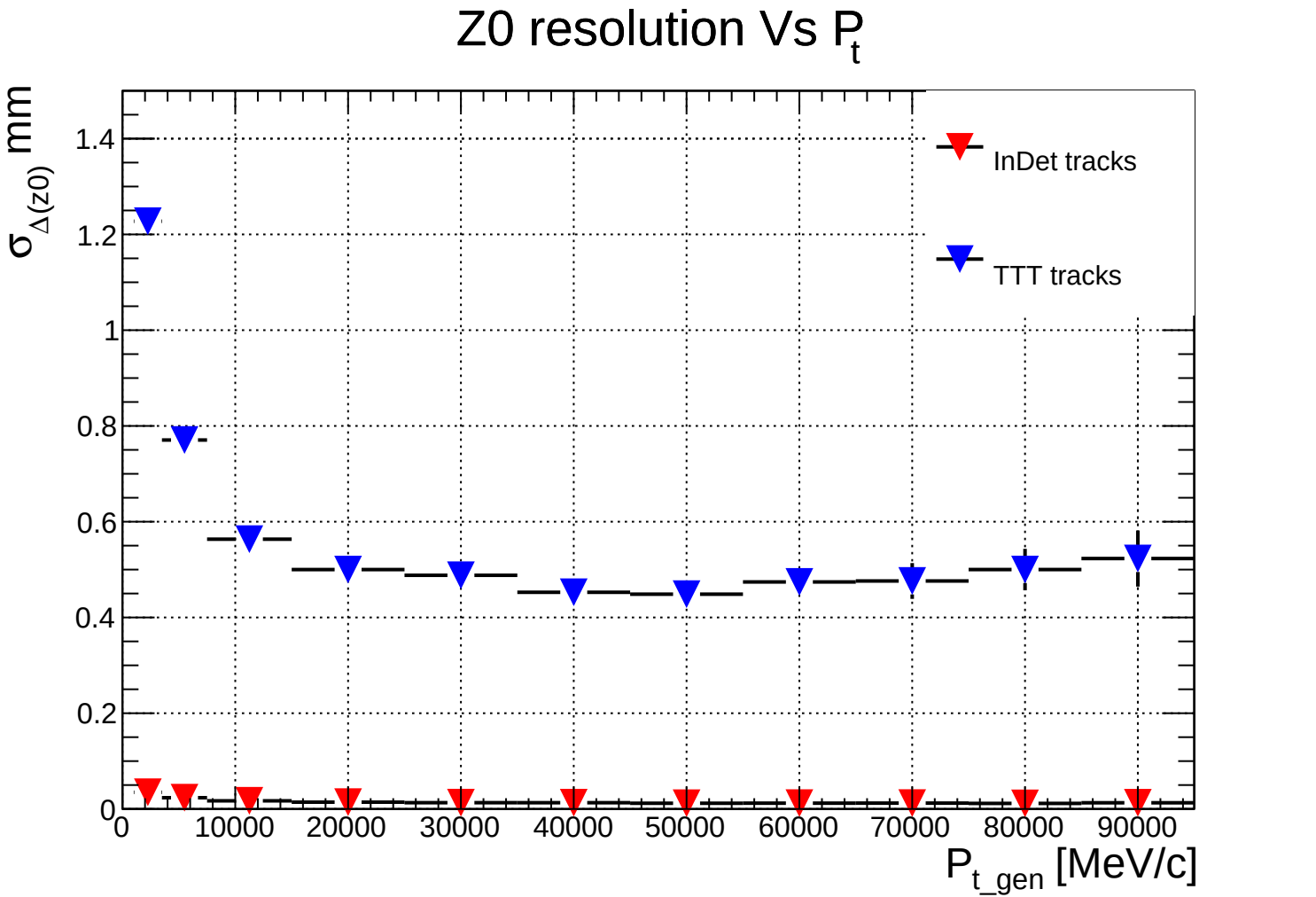

Relative Pt resolution Vs P_t
σ_Δ(p_t)/gen_p_t
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_t_gen [MeV/c]
InDet tracks
TTT tracks


Inverse Pt resolution Vs P_t
×10^-6
σ_Δ(1/p_t) MeV^-1/c
InDet tracks
TTT tracks
P_t_gen [MeV/c]
0
1
2
3
4
5
6
7
8
9
10
0
10000
20000
30000
40000
50000
60000
70000
80000
90000


Phi resolution Vs P_t
σ_Δ(φ) rad
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_t_gen [MeV/c]
InDet tracks
TTT tracks


Theta resolution Vs P_t
σ_Δ(θ) rad
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_t_gen [MeV/c]
InDet tracks
TTT tracks


Eta resolution Vs P_t
σ_Δ(η)
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_t_gen [MeV/c]
InDet tracks
TTT tracks


Z0 resolution Vs P_t
$\sigma_{\Delta(z0)}$ mm
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
P_{t_gen} [MeV/c]
InDet tracks
TTT tracks