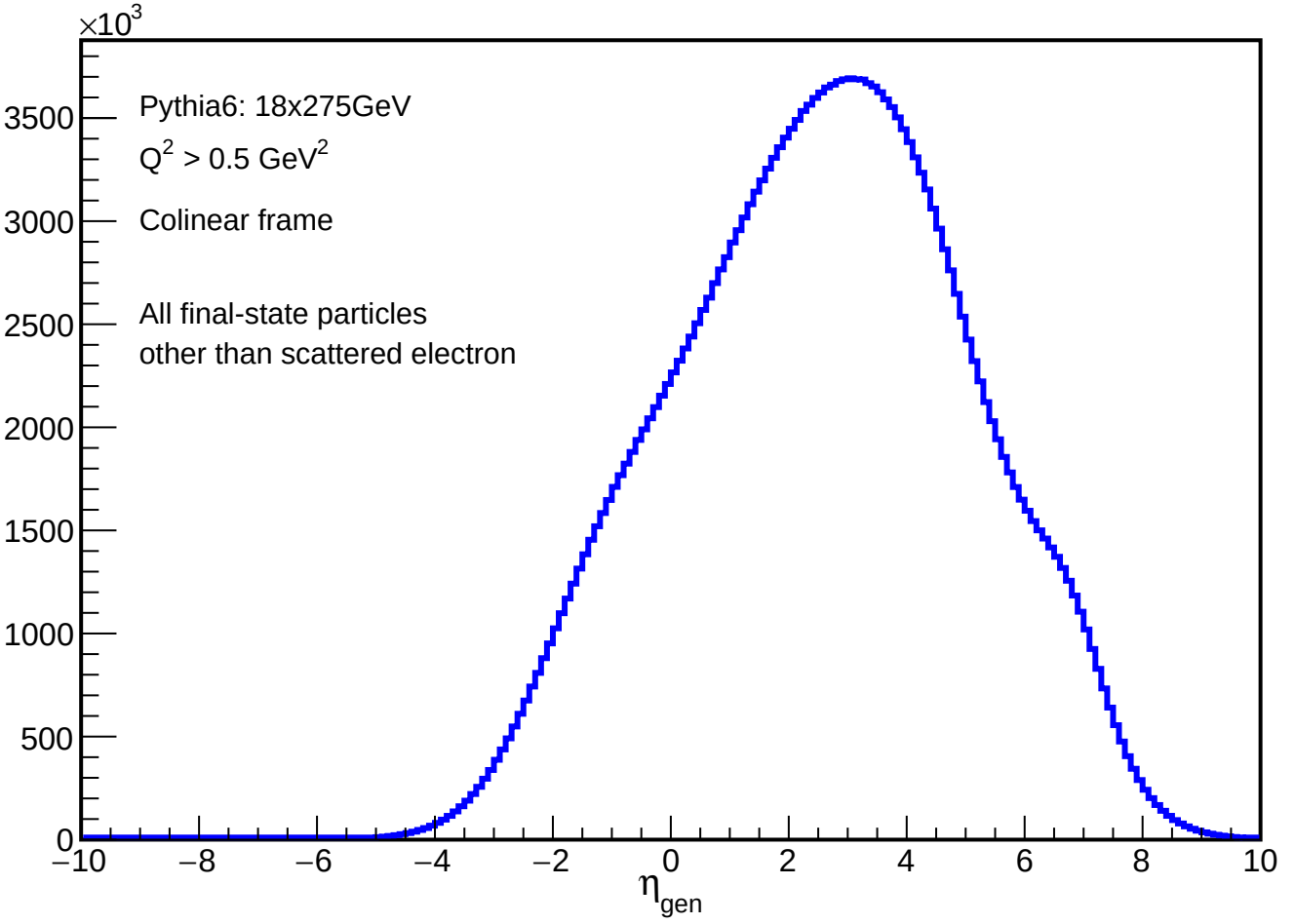
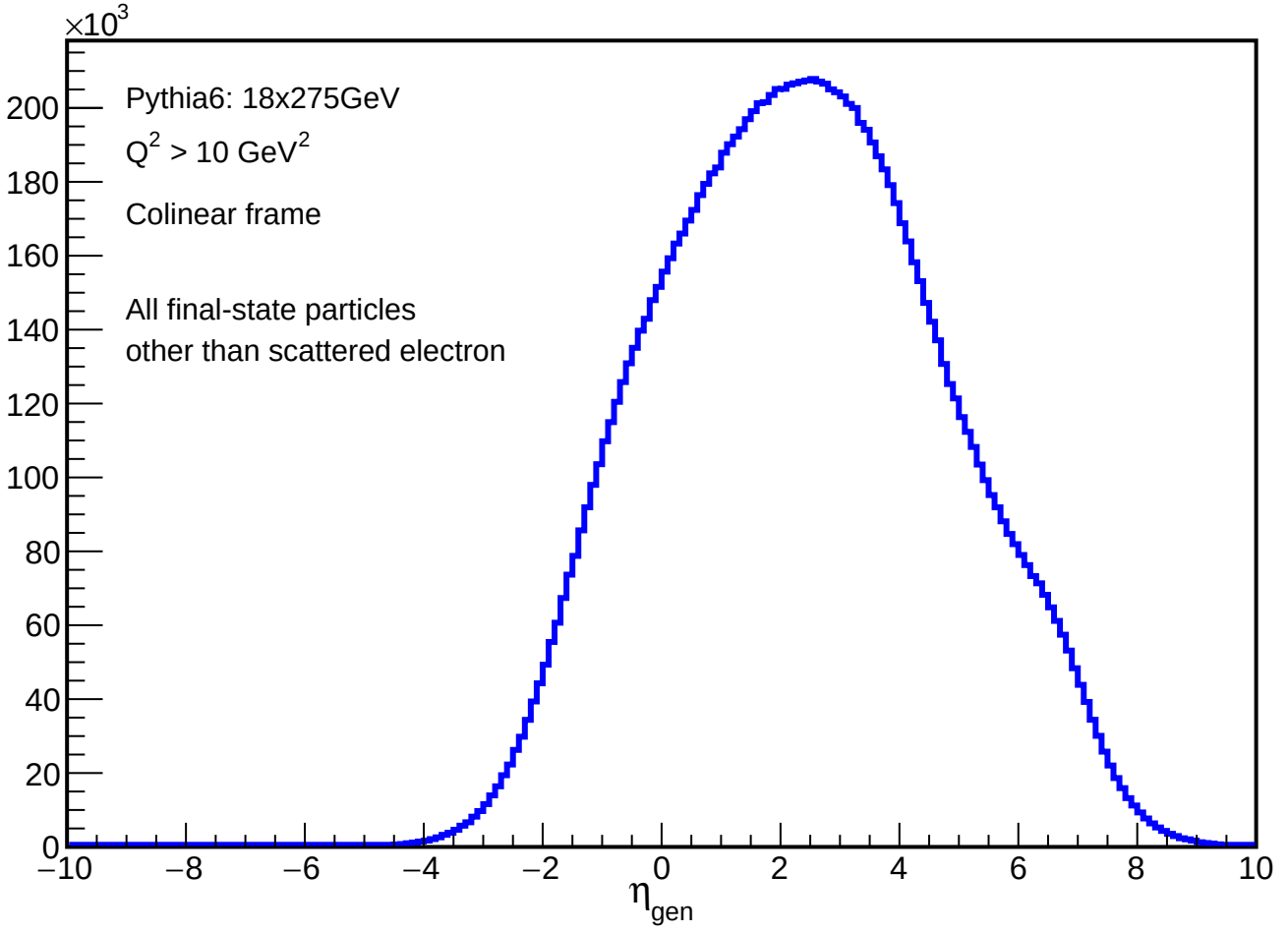
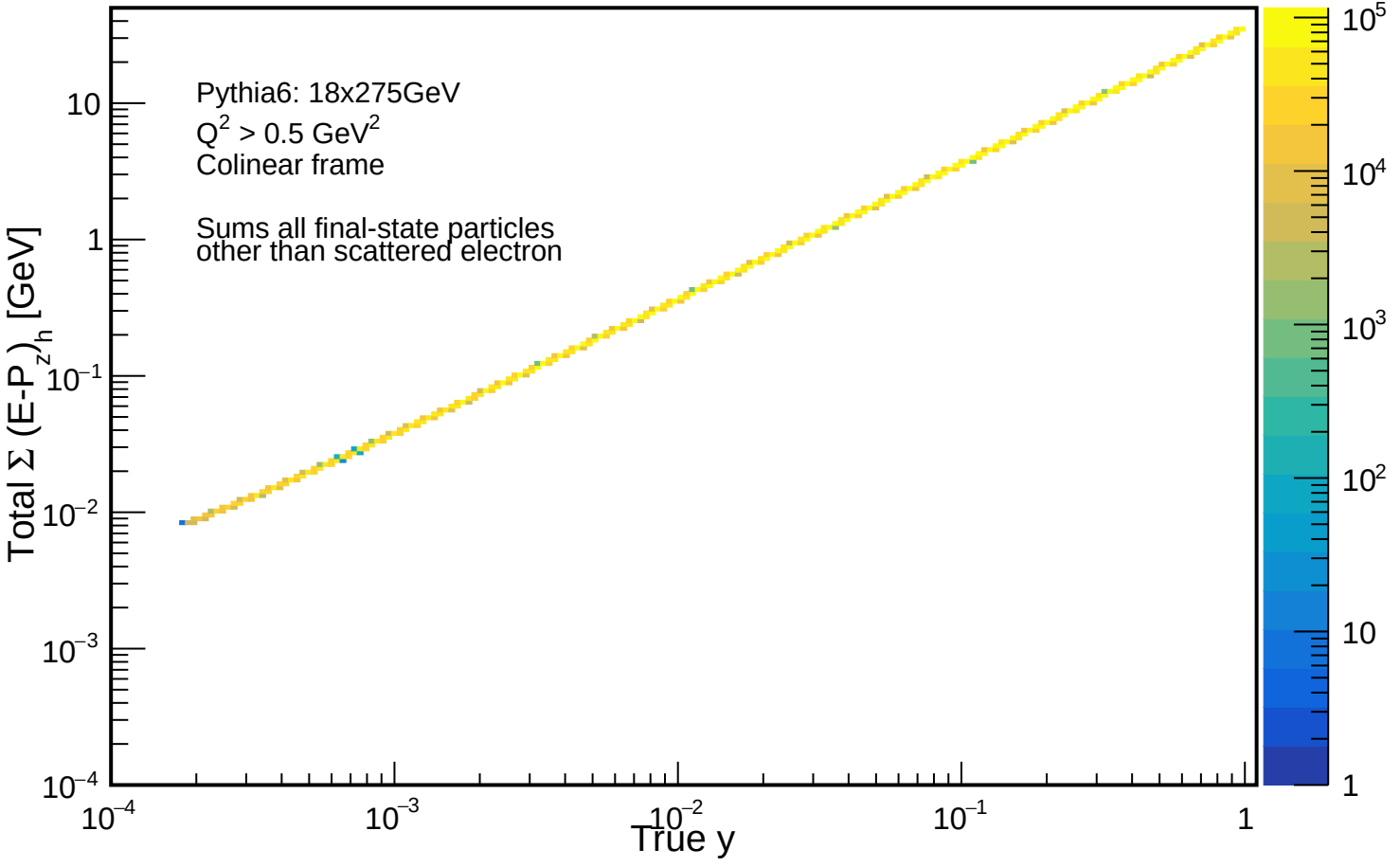
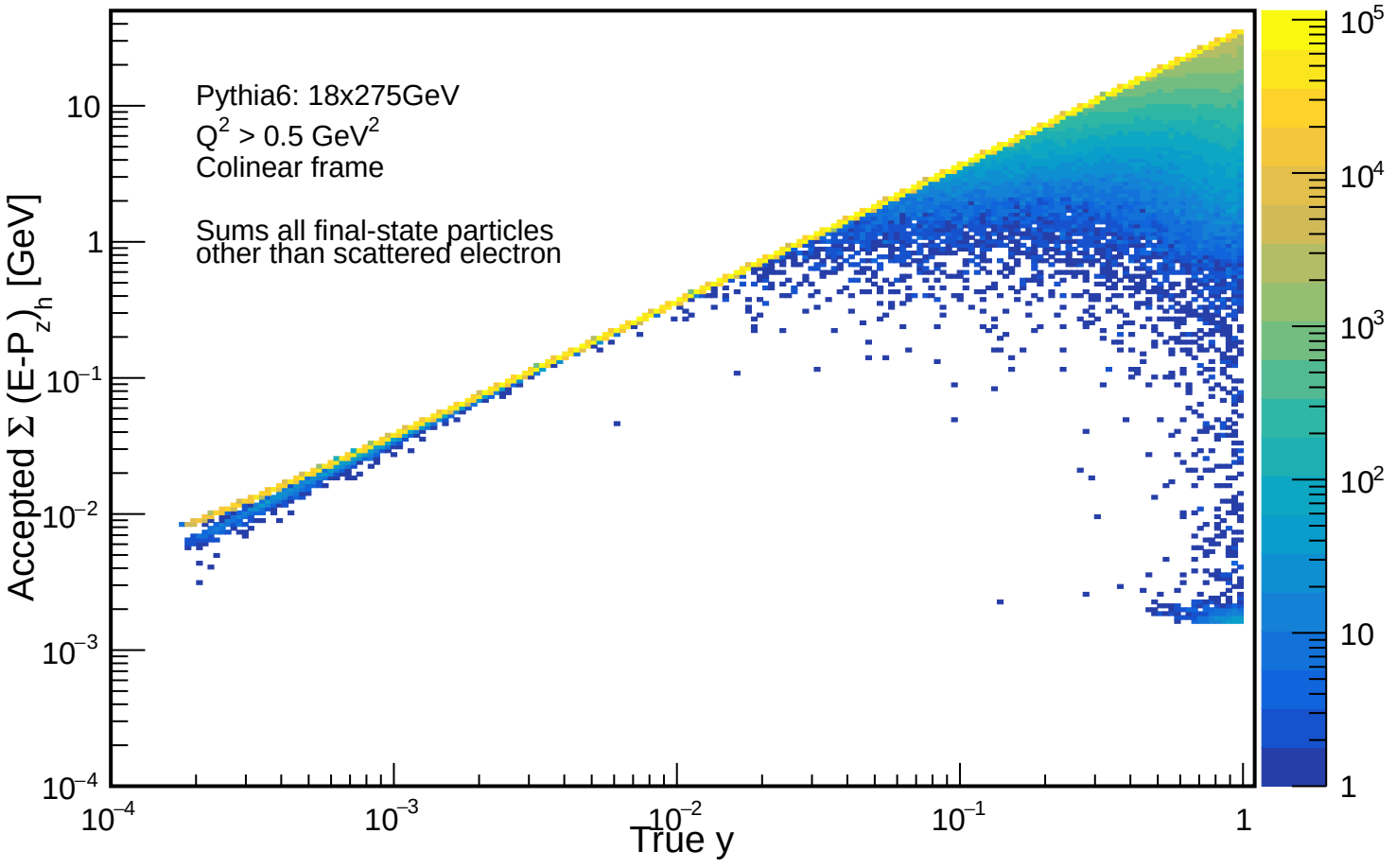
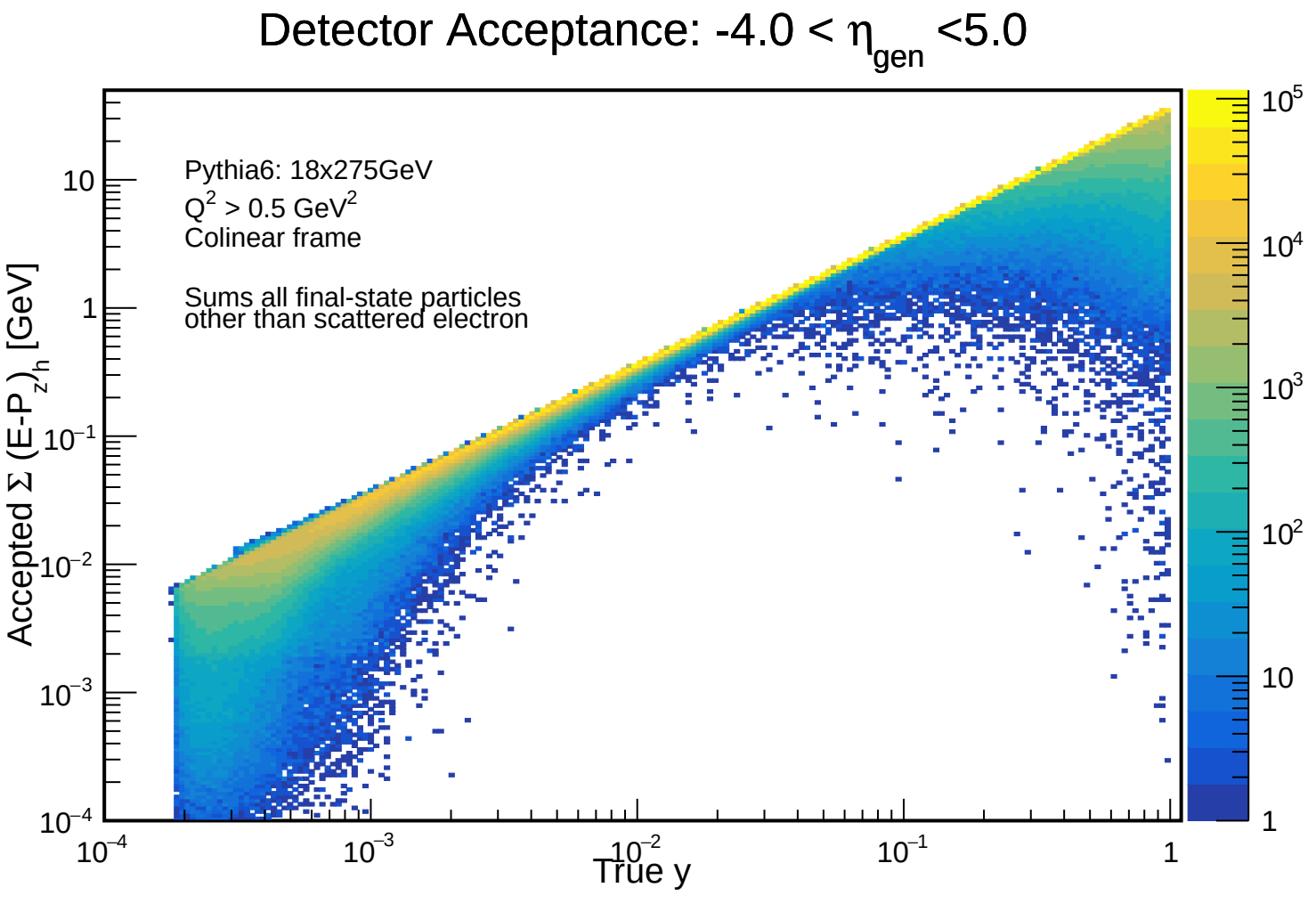

×10^3
3500
3000
2500
2000
1500
1000
500
0
Pythia6: 18x275GeV
Q^2 > 0.5 GeV^2
Colinear frame
All final-state particles
other than scattered electron
−10
−8
−6
−4
−2
0
2
4
6
8
10
η_gen

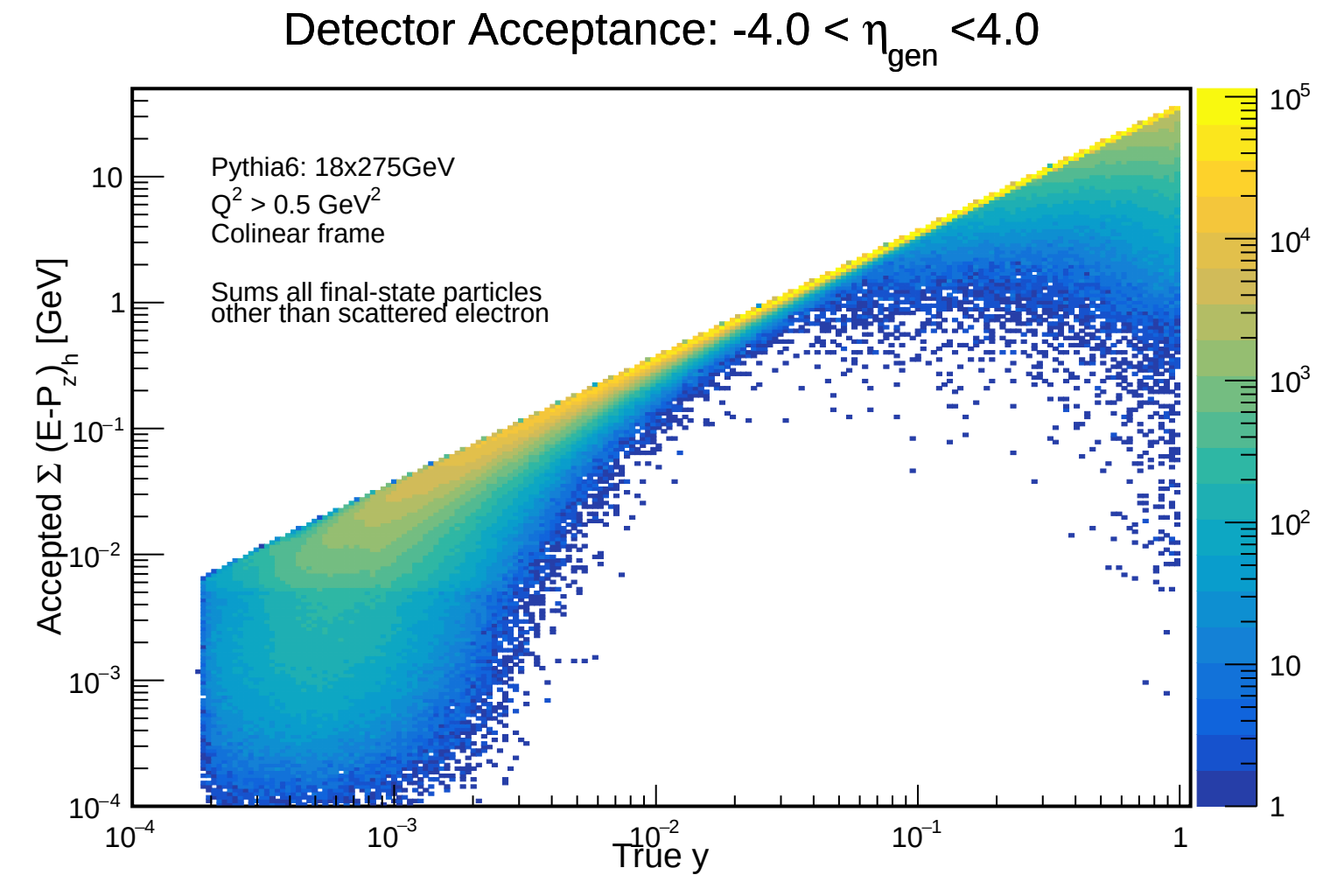

×10^3
Pythia6: 18x275GeV
Q^2 > 10 GeV^2
Colinear frame
All final-state particles
other than scattered electron
200
180
160
140
120
100
80
60
40
20
0
−10
−8
−6
−4
−2
0
2
4
6
8
10
η_gen

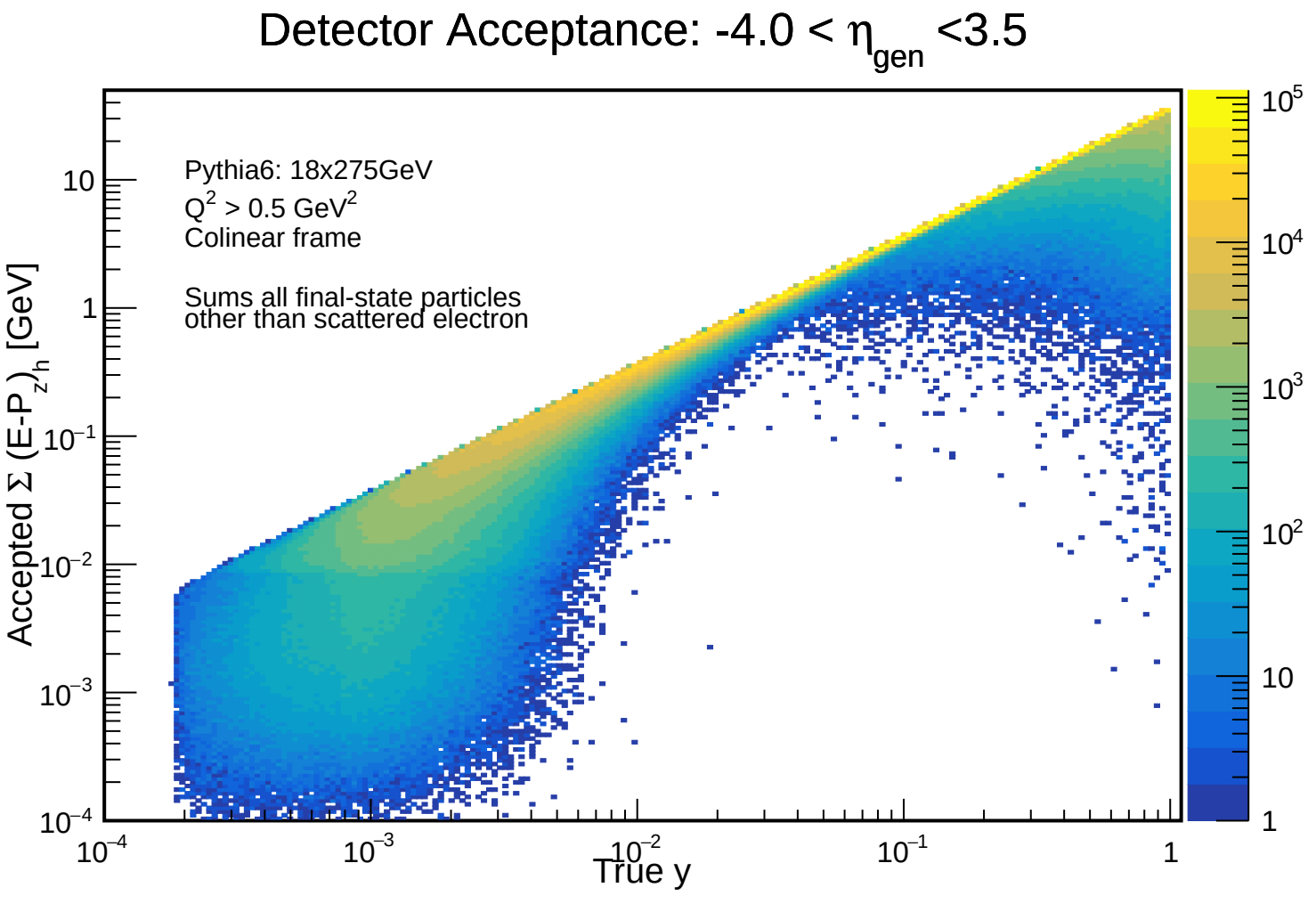
# Perfect Detector Acceptance

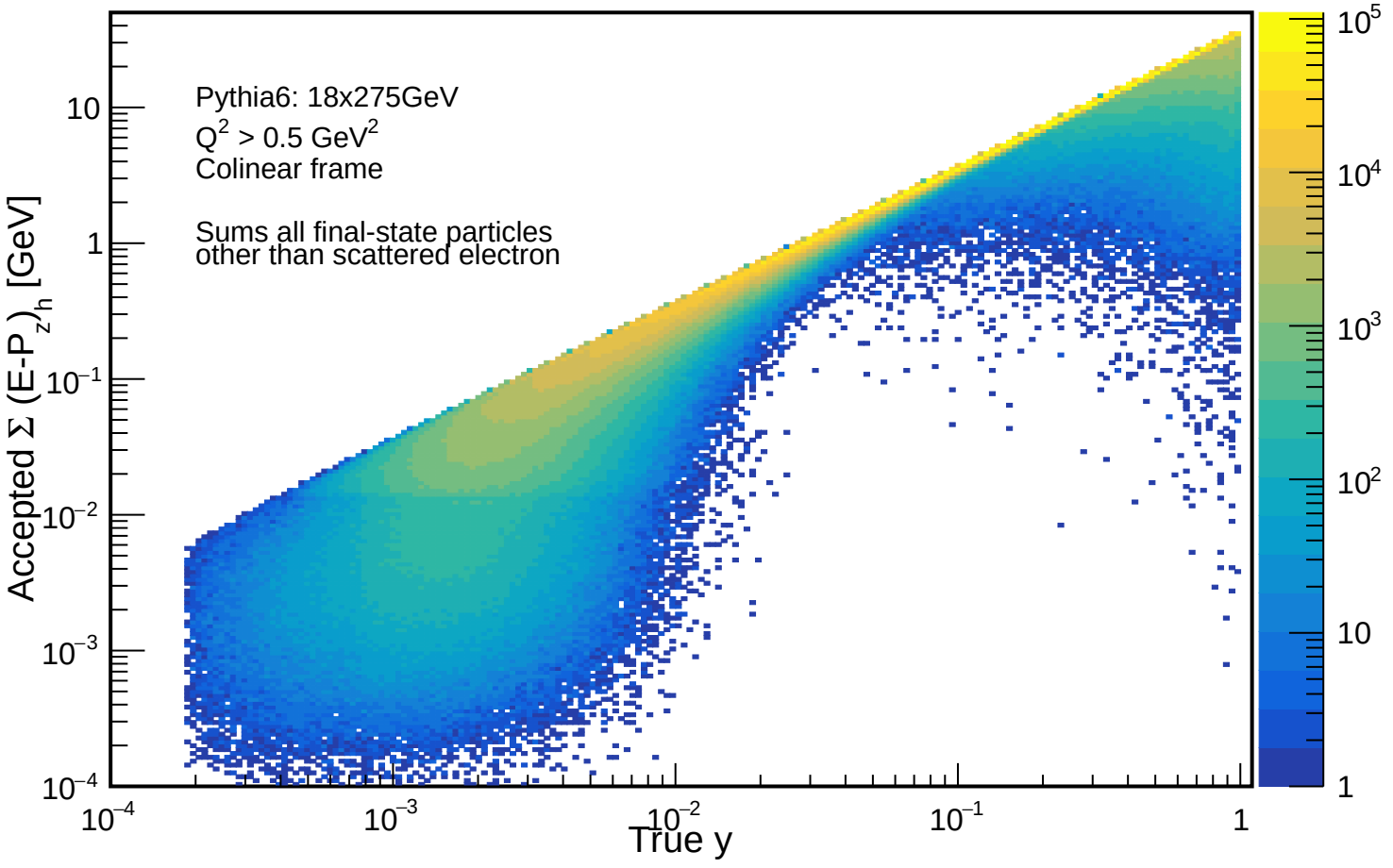


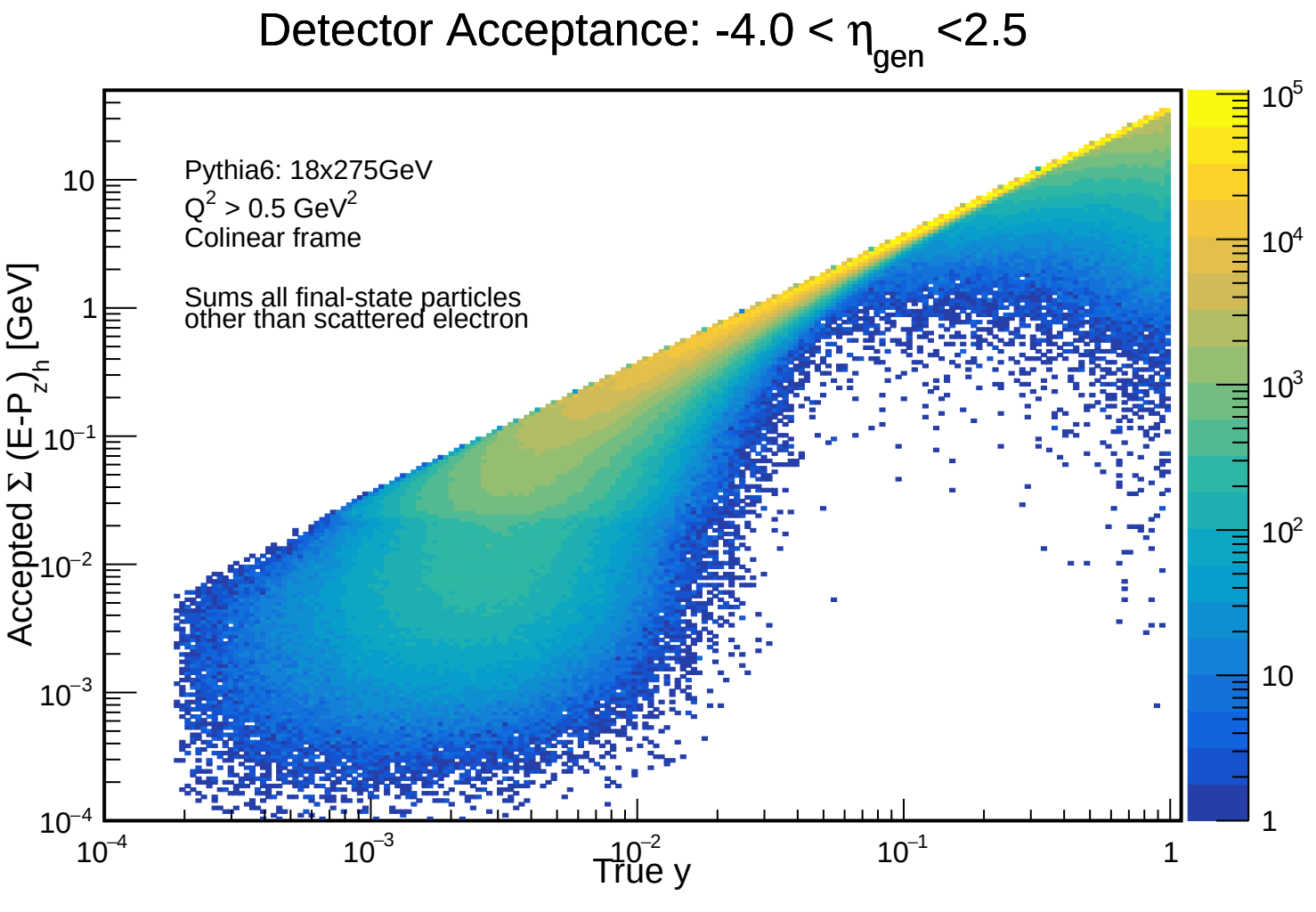

Detector Acceptance: -4.0 < η_gen <10.0
Pythia6: 18x275GeV
Q² > 0.5 GeV²
Colinear frame
Sums all final-state particles
other than scattered electron
Accepted Σ (E-P_z)_h [GeV]
True y
10
1
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
10⁵
10⁴
10³
10²
10
1


Detector Acceptance: -4.0 < η_gen <5.0
Pythia6: 18x275GeV
Q² > 0.5 GeV²
Colinear frame
Sums all final-state particles
other than scattered electron
Accepted Σ (E-P_z)_h [GeV]
True y
10
1
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
10⁵
10⁴
10³
10²
10
1


Detector Acceptance: -4.0 < η gen <4.0
Pythia6: 18x275GeV
Q2 > 0.5 GeV2
Colinear frame
Sums all final-state particles
other than scattered electron
Accepted Σ (E-Pz)h [GeV]
True y
10
1
10−1
10−2
10−3
10−4
10−4
10−3
10−2
10−1
1
10^5
10^4
10^3
10^2
10
1


Detector Acceptance: -4.0 < η_gen <3.5
Pythia6: 18x275GeV
Q² > 0.5 GeV²
Colinear frame
Sums all final-state particles
other than scattered electron
Accepted Σ (E-P_z)_h [GeV]
True y
10
1
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
10⁵
10⁴
10³
10²
10
1


Detector Acceptance: -4.0 < η_gen <3.0
Pythia6: 18x275GeV
Q² > 0.5 GeV²
Colinear frame
Sums all final-state particles
other than scattered electron
Accepted Σ (E-P_z)_h [GeV]
True y
10
1
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
10⁵
10⁴
10³
10²
10
1


Detector Acceptance: -4.0 < η_gen <2.5
Pythia6: 18x275GeV
Q² > 0.5 GeV²
Colinear frame
Sums all final-state particles
other than scattered electron
Accepted Σ (E-P_z)_h [GeV]
True y
10
1
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁴
10⁻³
10⁻²
10⁻¹
1
10⁵
10⁴
10³
10²
10
1