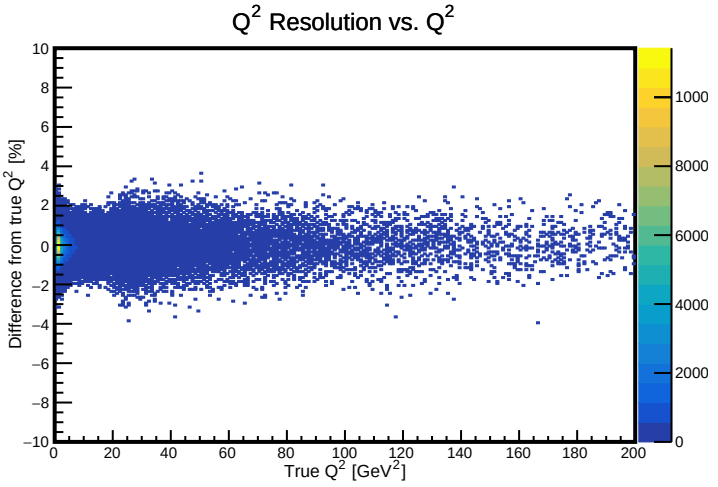
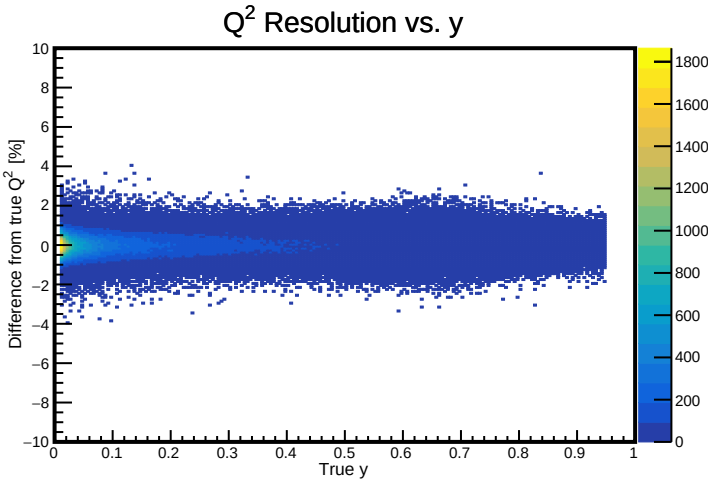
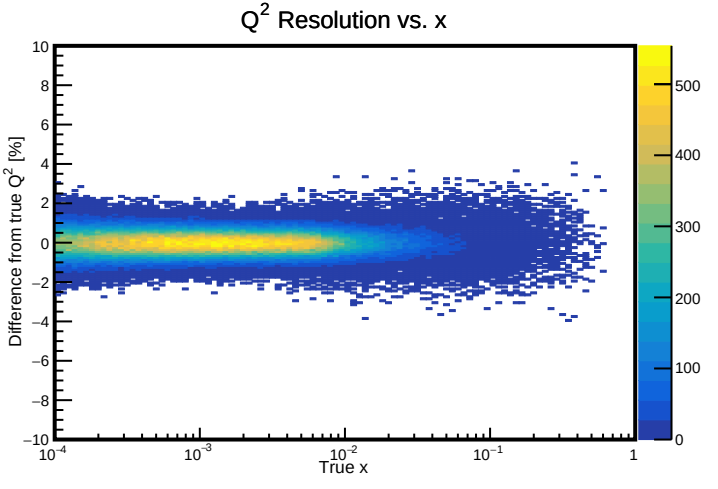


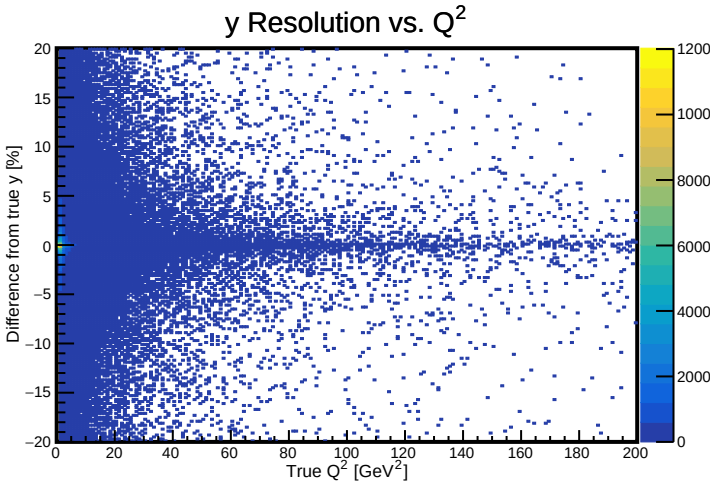


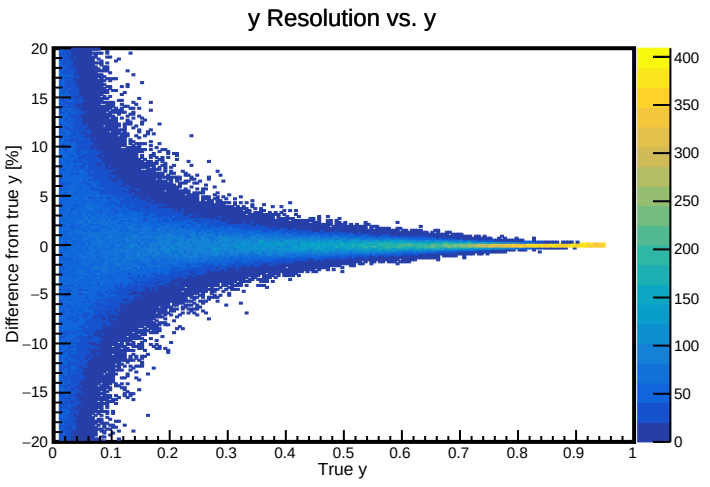


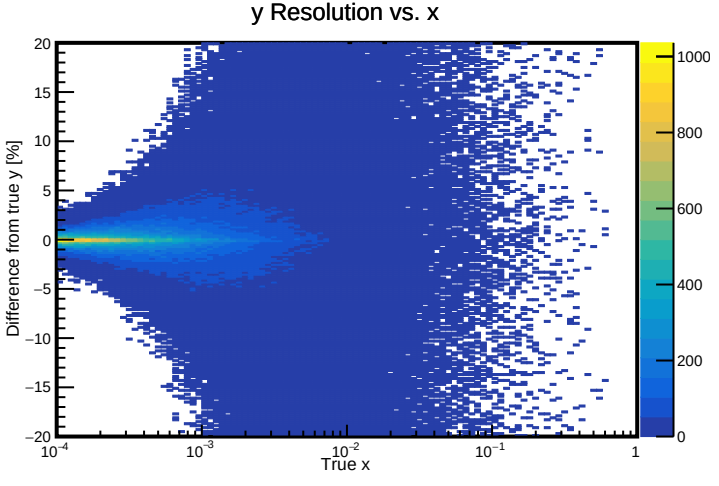
18 GeV e^- on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - Electron Method (using optimization)}}{\text{True}}$$ **vs. True**

$0.01 < y_{true} < 0.95$



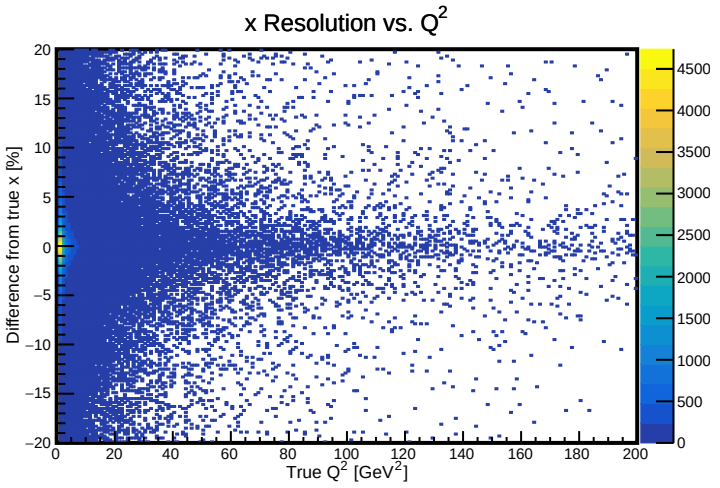


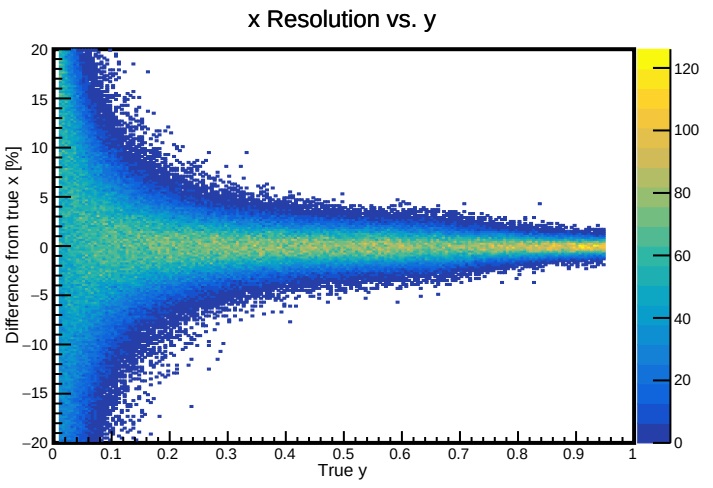


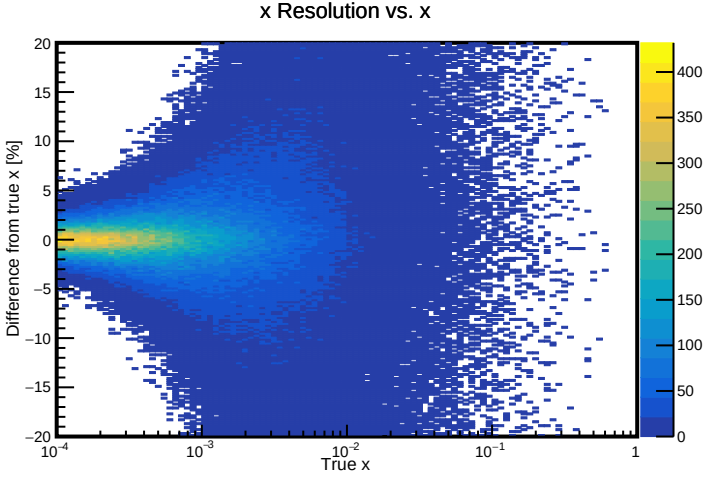
18 GeV e⁻ on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - Electron Method (using optimization)}}{\text{True}}$$ **vs. True**

$0.01 < y_{true} < 0.95$



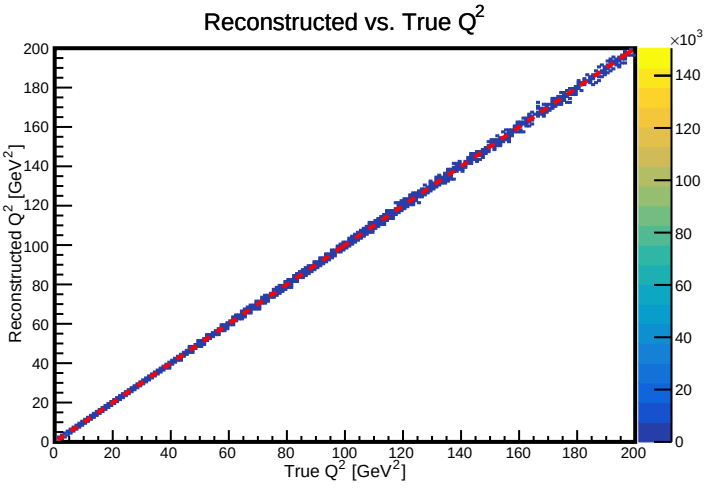


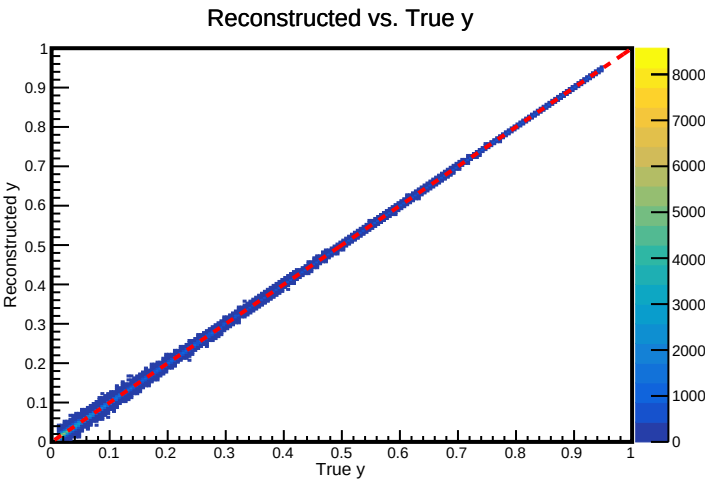


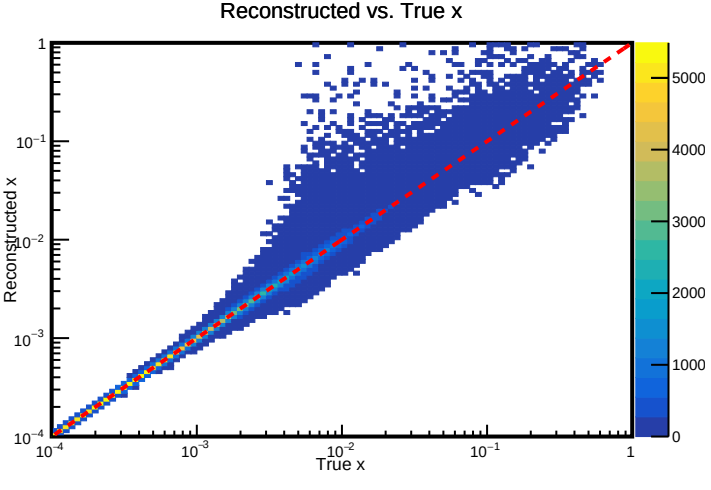
18 GeV e⁻ on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - Electron Method (using optimization)}}{\text{True}}$$ **vs. True**

$0.01 < y_{true} < 0.95$



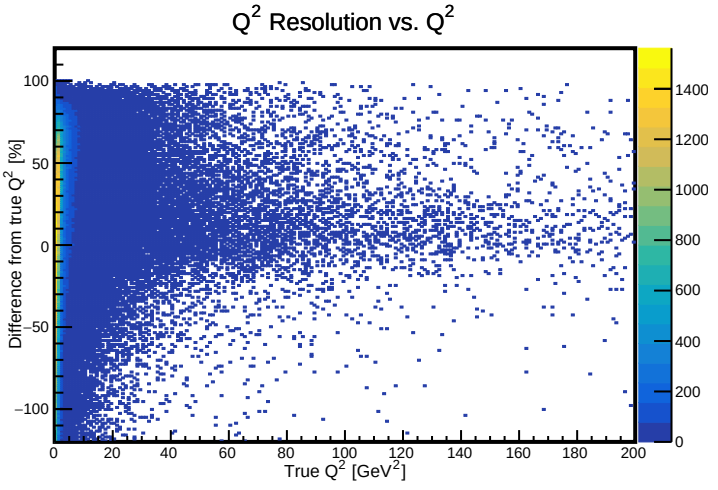


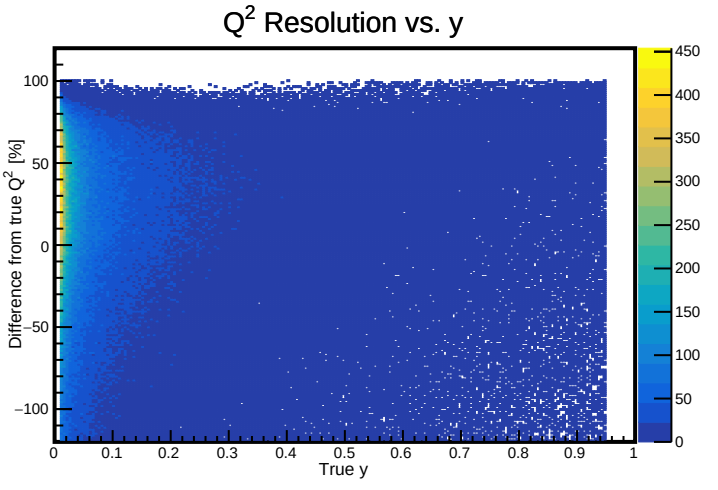


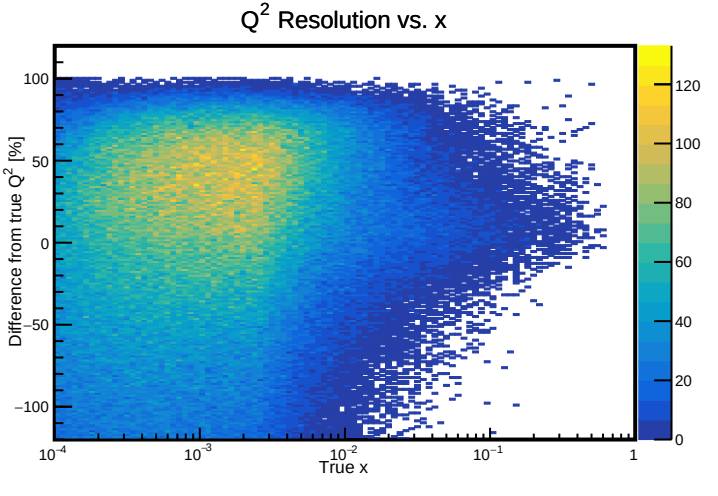
18 GeV e$^-$ on 275 GeV p, $\sqrt{s}$=141 GeV

Electron Method (using optimization) vs. True

$0.01 < y_{true} < 0.95$



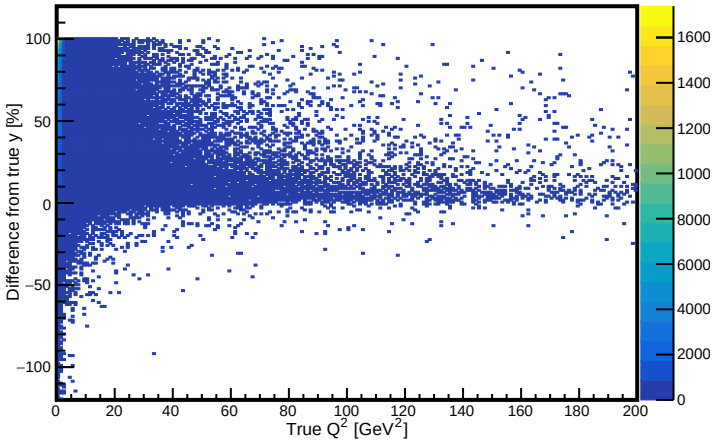


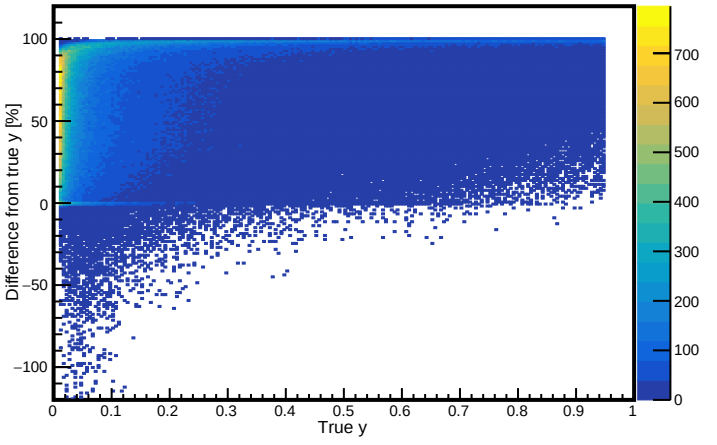


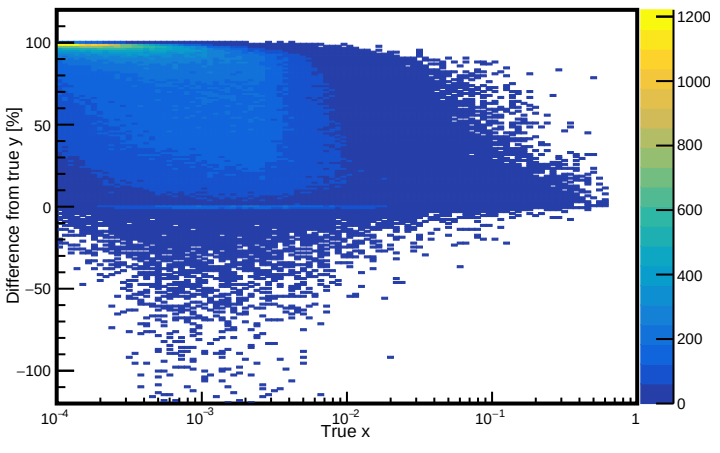
18 GeV e^- on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - J.B. Method (using jet)}}{\text{True}} \text{ vs. True}$$

$0.01 < y_{true} < 0.95$



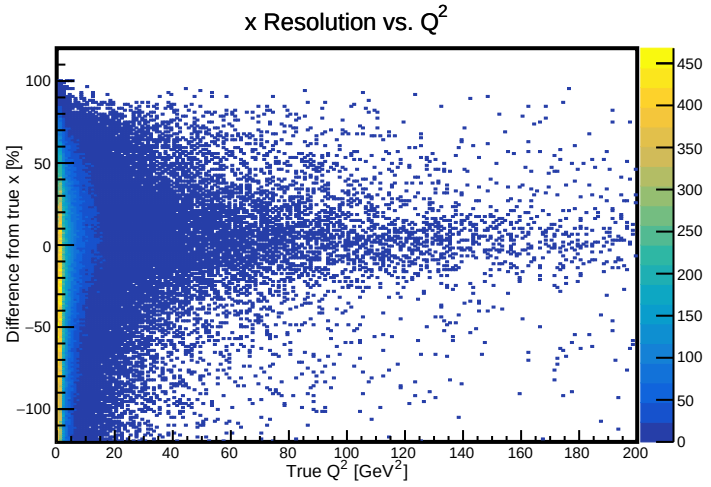


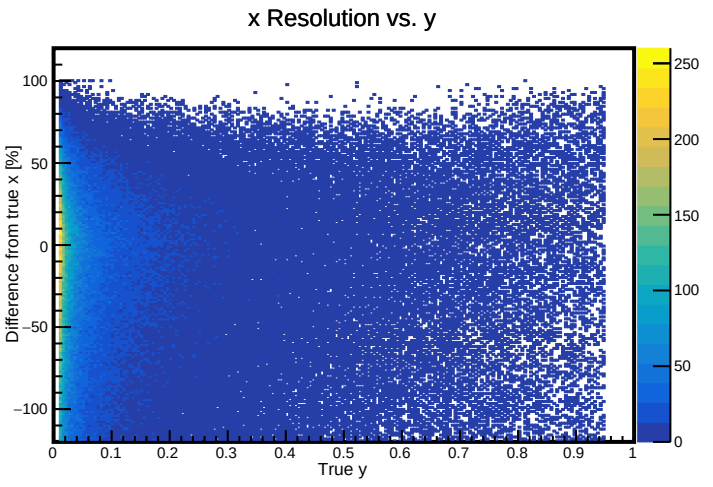


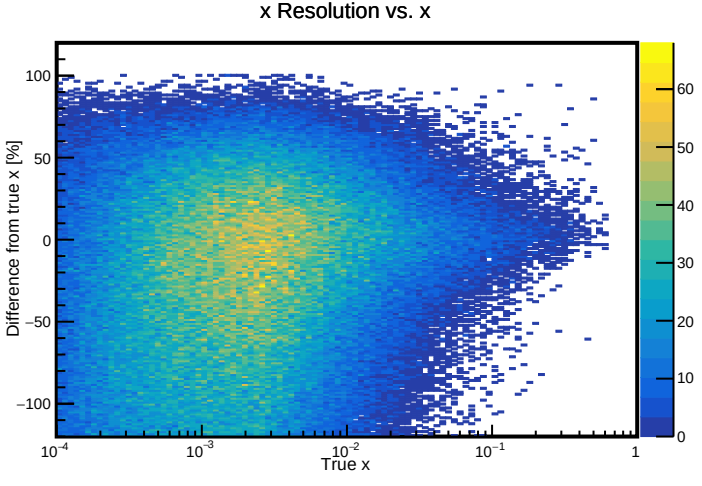
18 GeV e⁻ on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - J.B. Method (using jet)}}{\text{True}} \text{ vs. True}$$

$$0.01 < y_{true} < 0.95$$



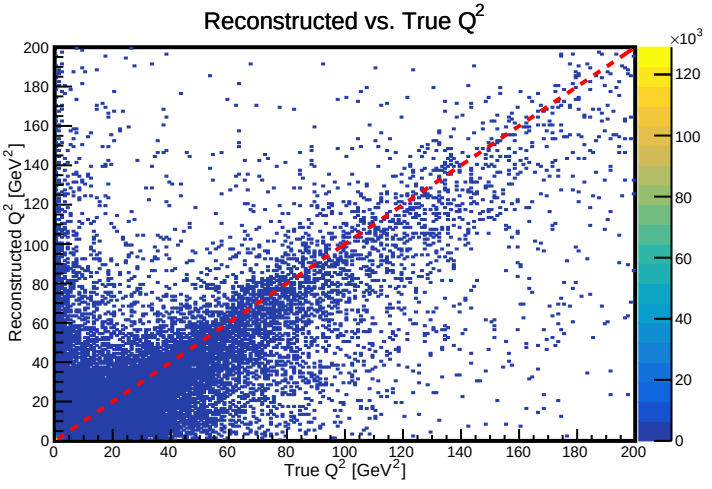


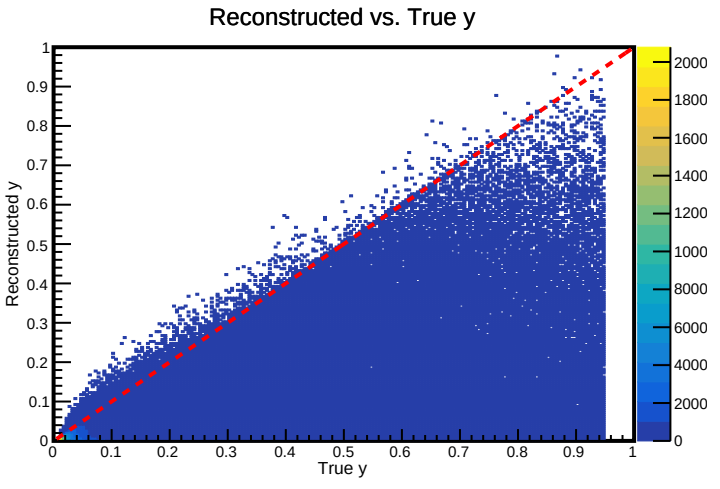


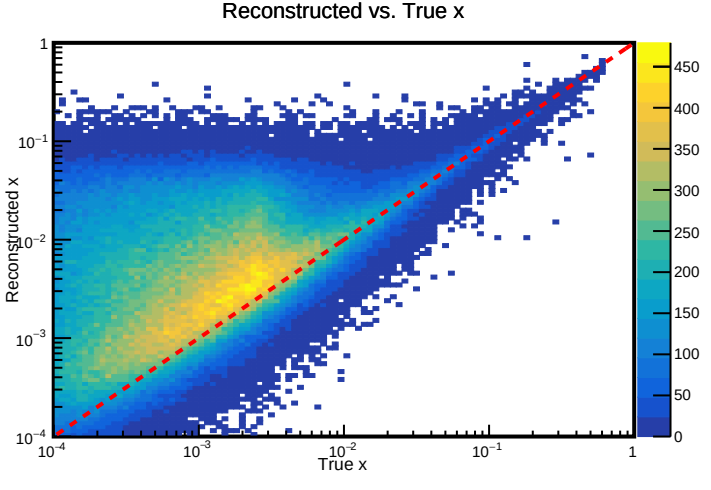
18 GeV e⁻ on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - J.B. Method (using jet)}}{\text{True}} \text{ vs. True}$$

$0.01 < y_{true} < 0.95$



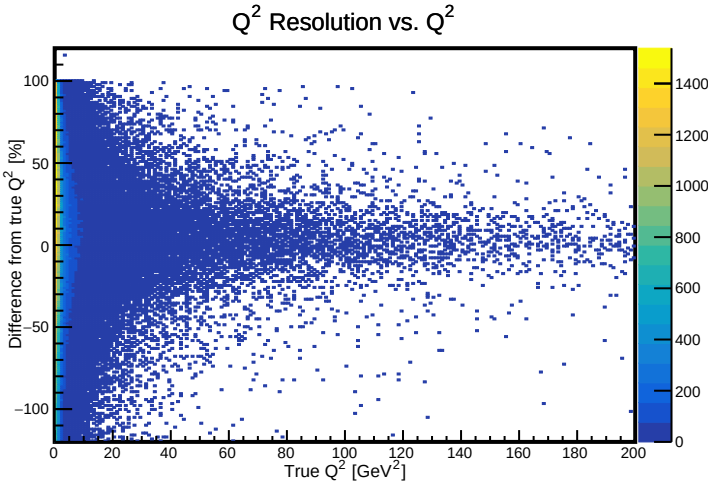


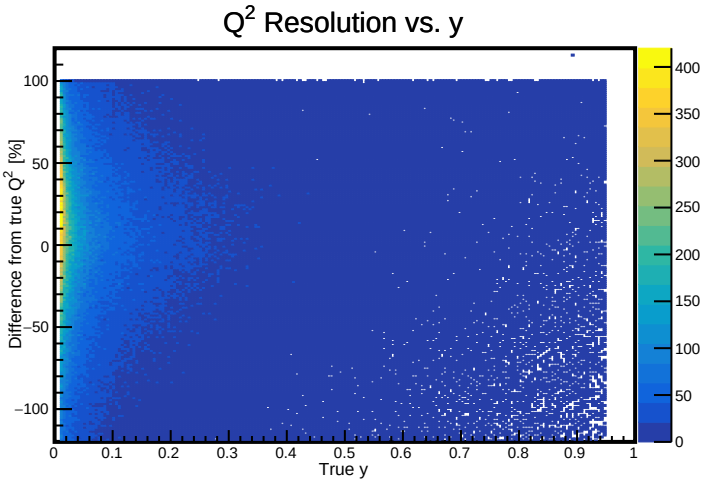


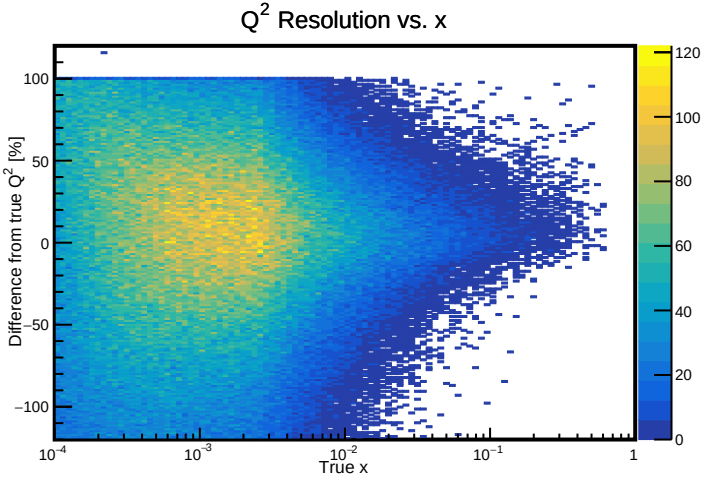
18 GeV e⁻ on 275 GeV p, $\sqrt{s}$=141 GeV

J.B. Method (using jet) vs. True

$0.01 < y_{true} < 0.95$



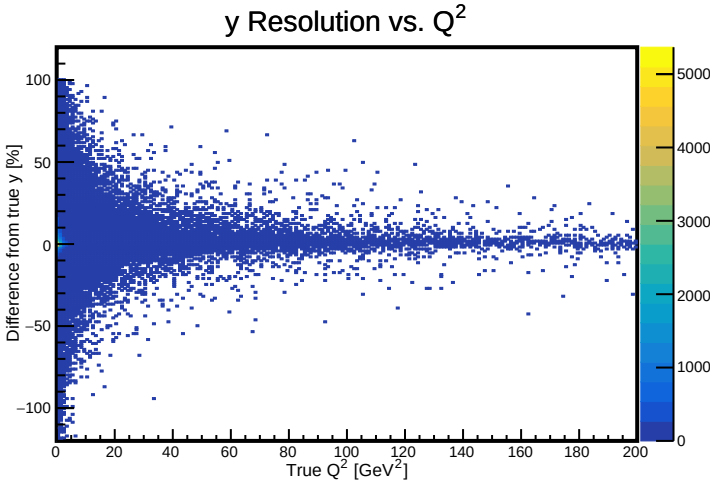


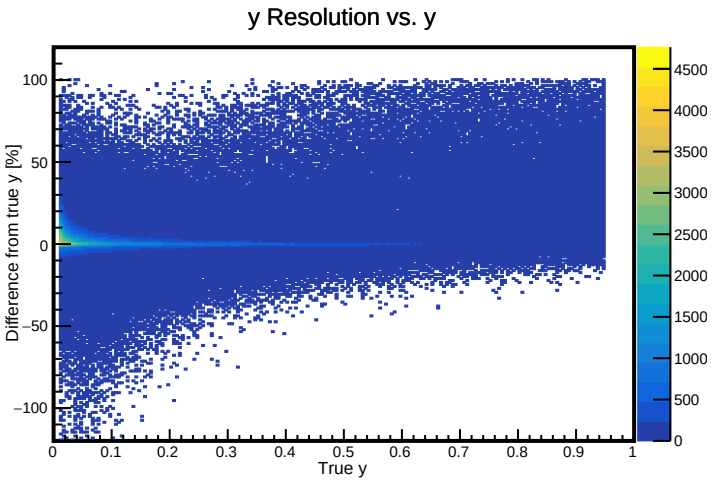


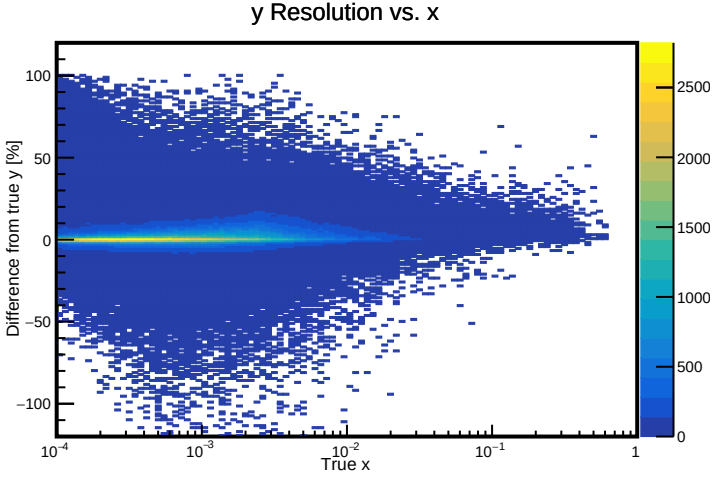
18 GeV e$^-$ on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - J.B. Method (summing all particles)}}{\text{True}} \text{ vs. True}$$

$$0.01 < y_{true} < 0.95$$



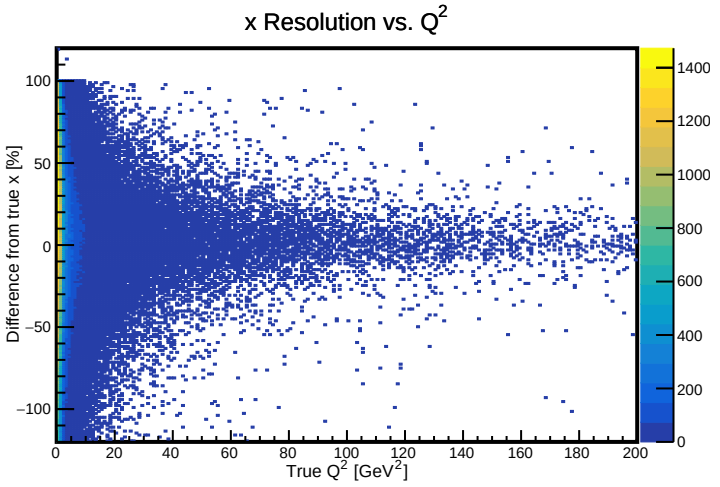


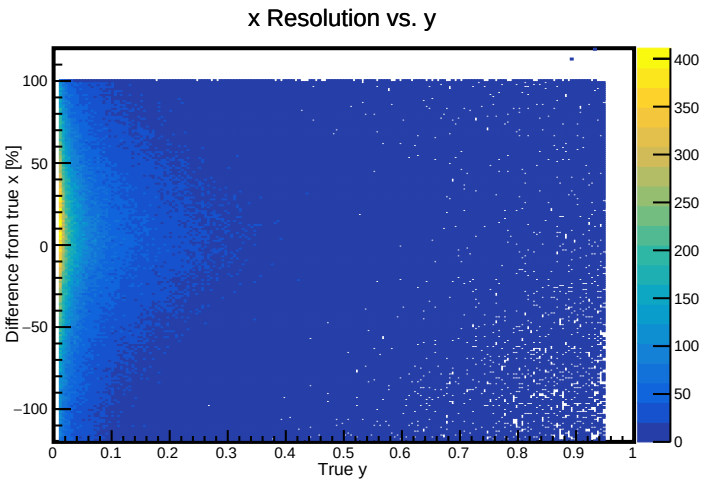


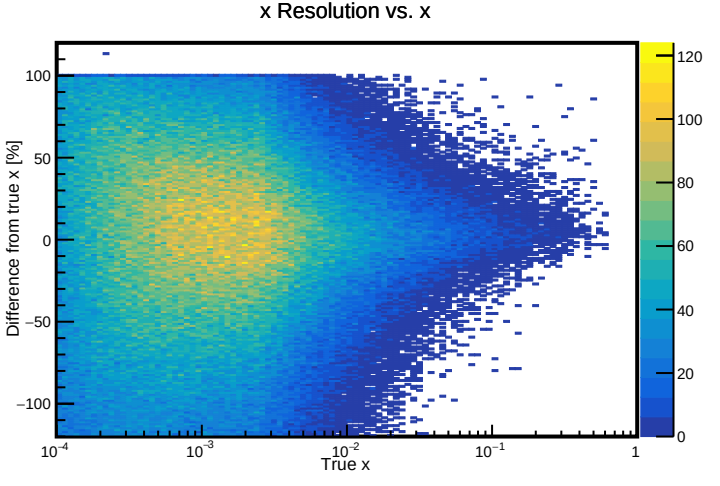
18 GeV e^- on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - J.B. Method (summing all particles)}}{\text{True}} \text{ vs. True}$$

$0.01 < y_{true} < 0.95$



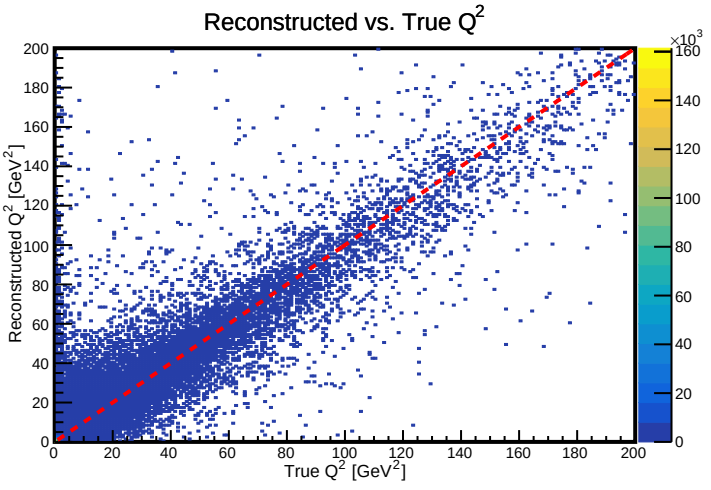


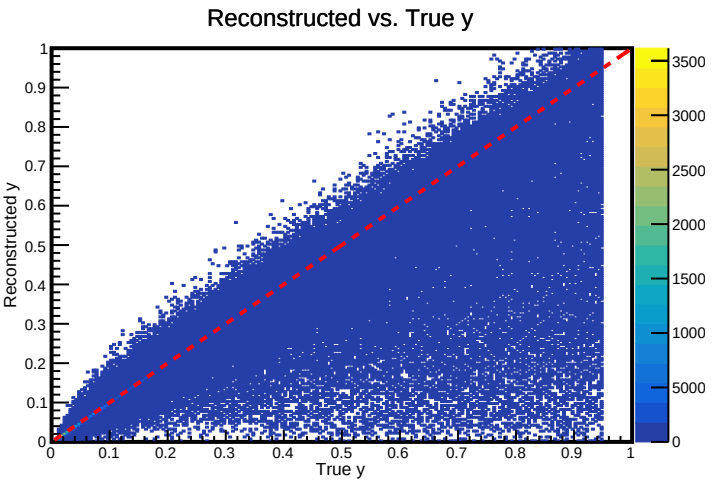


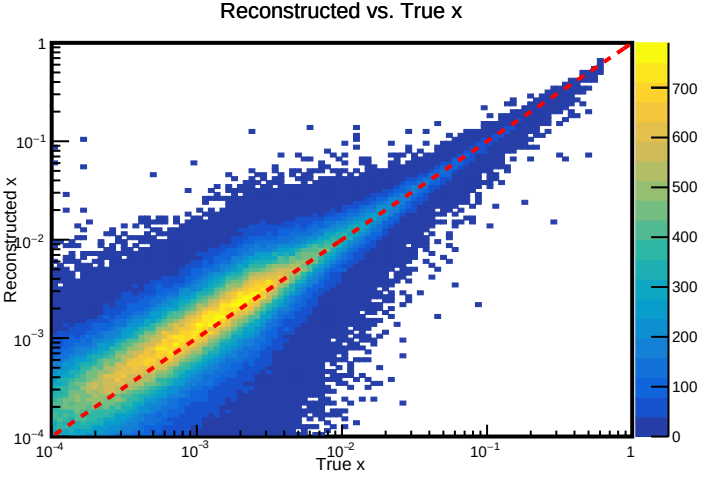
18 GeV e⁻ on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - J.B. Method (summing all particles)}}{\text{True}} \text{ vs. True}$$

$0.01 < y_{true} < 0.95$



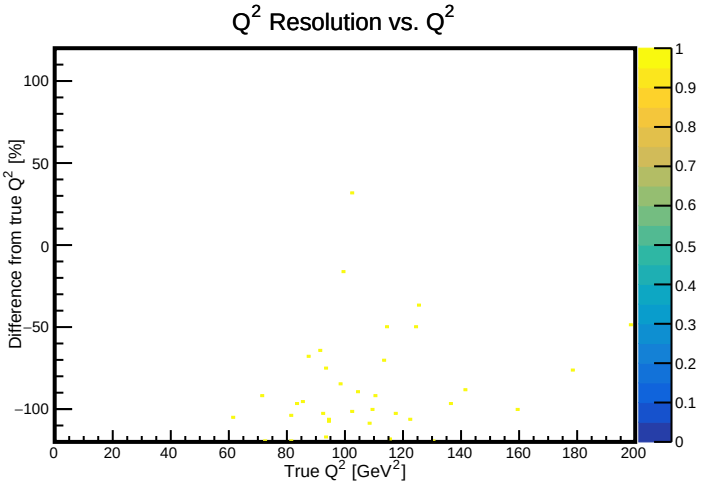


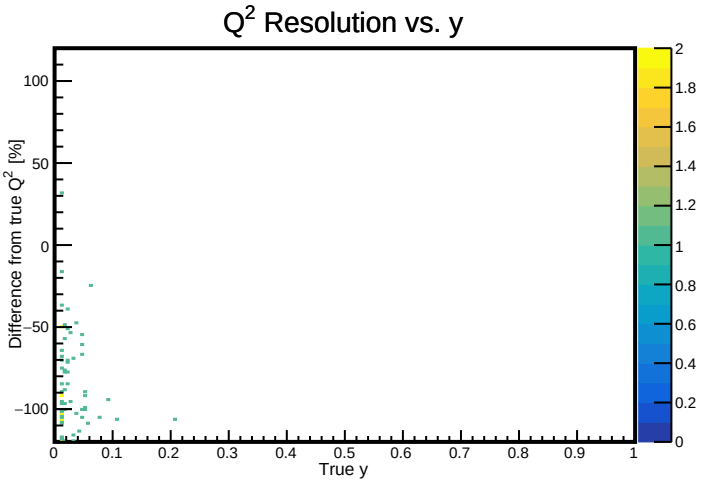


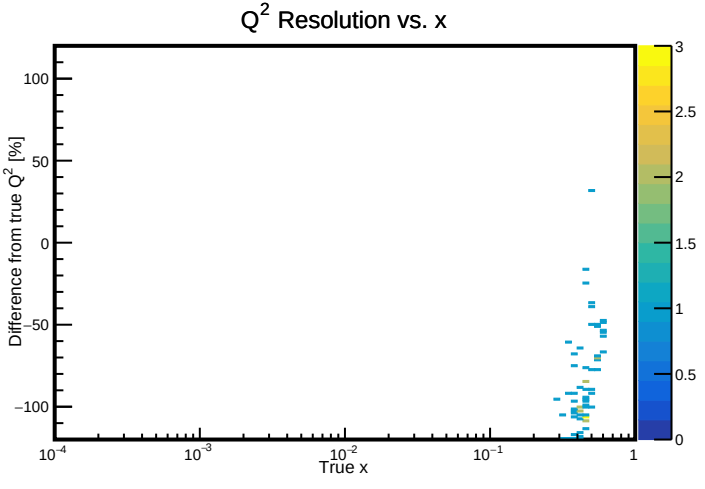
18 GeV e⁻ on 275 GeV p, $\sqrt{s}$=141 GeV

J.B. Method (summing all particles) vs. True

$0.01 < y_{true} < 0.95$



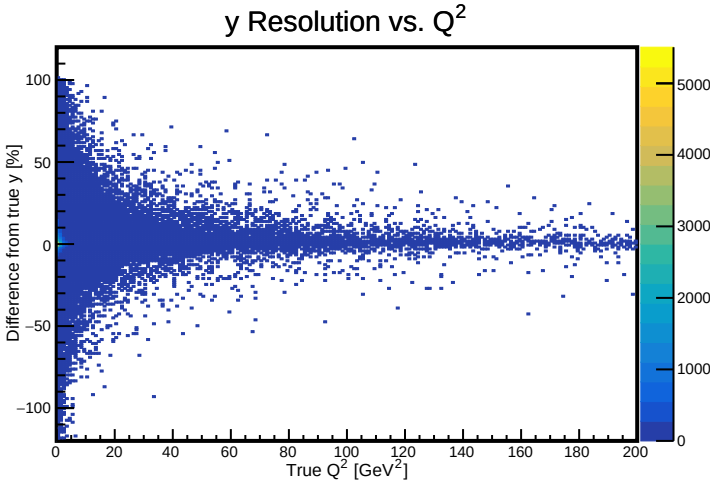


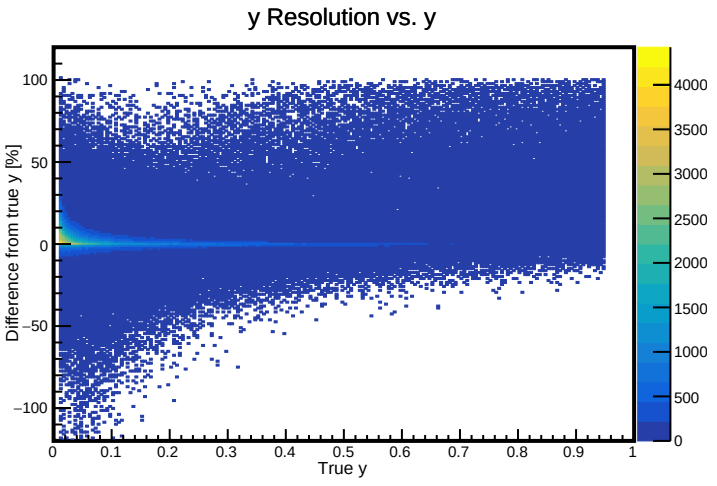


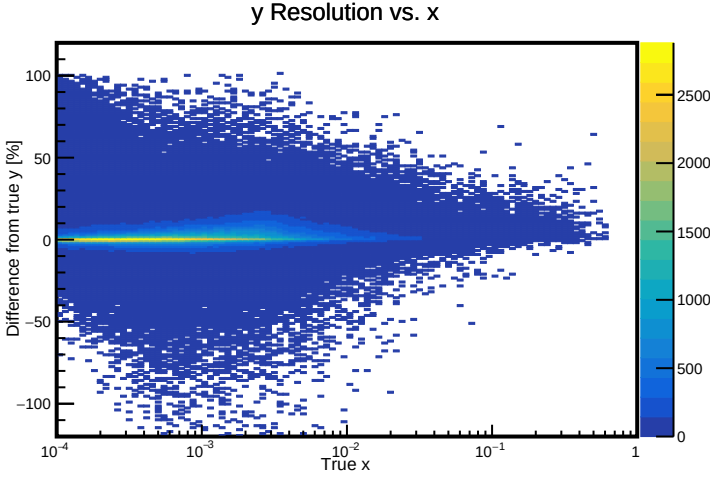
18 GeV e^- on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - J.B. 4-Vector Method}}{\text{True}} \text{ vs. True}$$

$0.01 < y_{true} < 0.95$



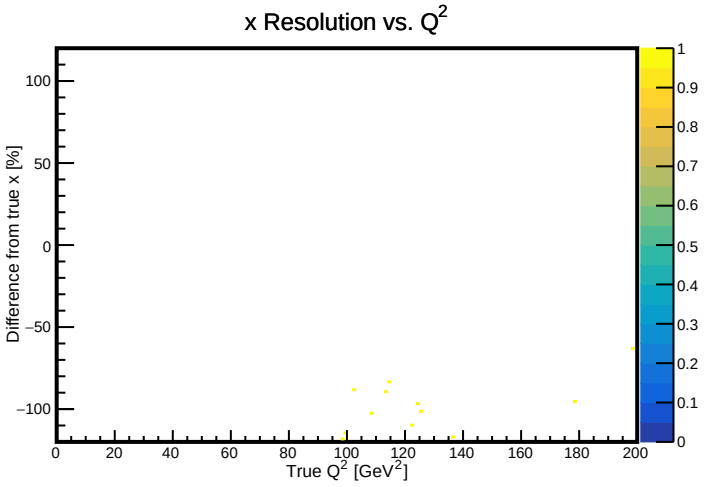


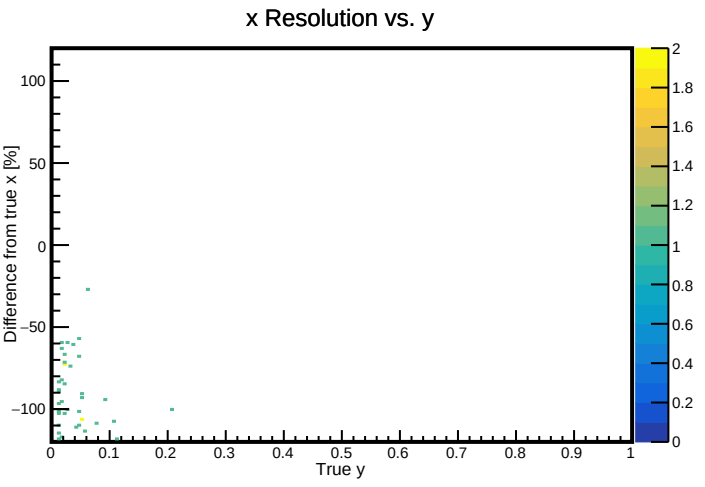


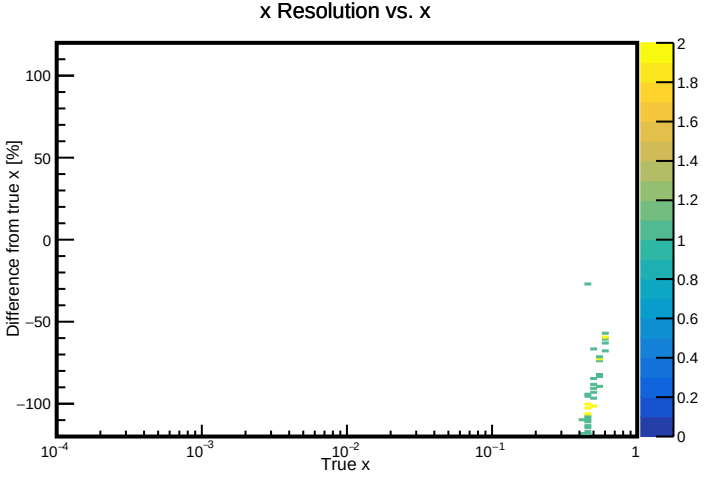
18 GeV e⁻ on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - J.B. 4-Vector Method}}{\text{True}} \text{ vs. True}$$

$$0.01 < y_{true} < 0.95$$



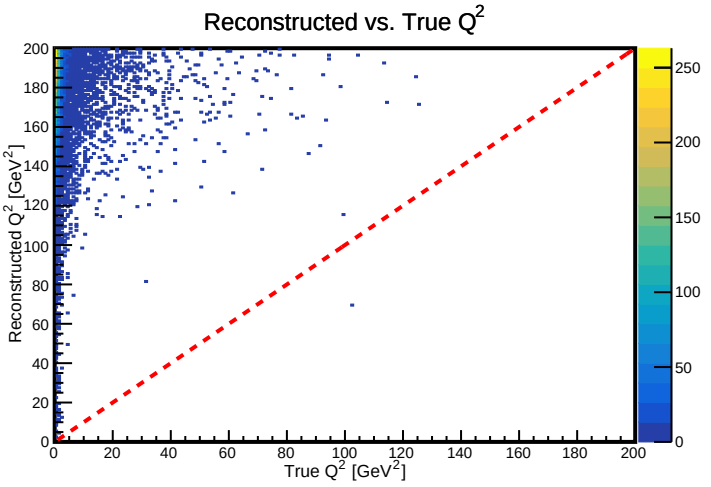


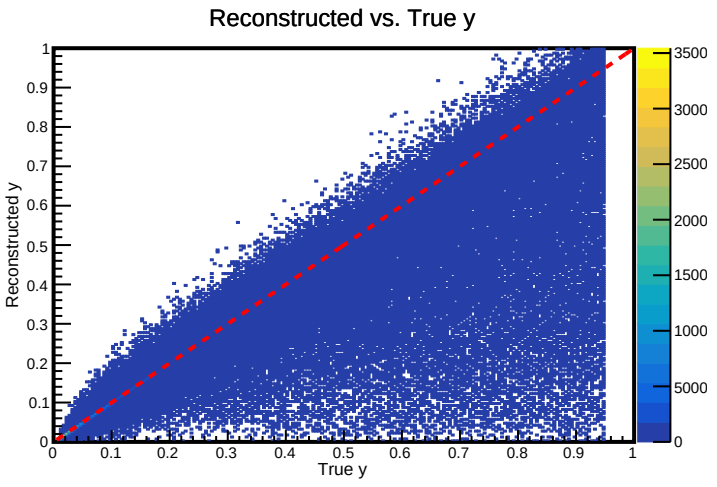


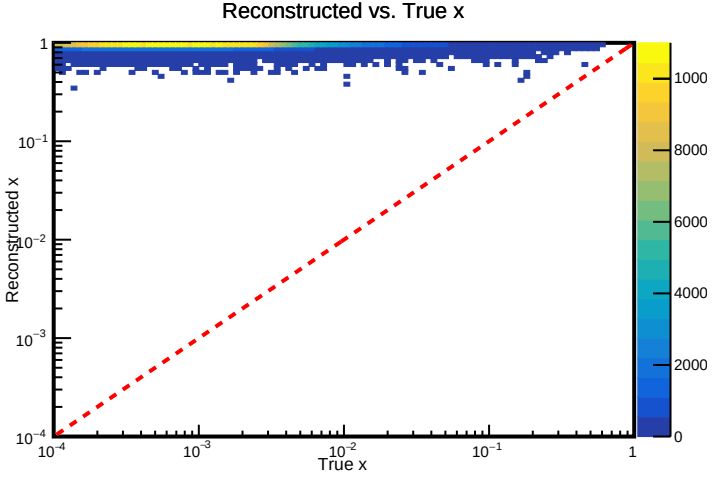
18 GeV e⁻ on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - J.B. 4-Vector Method}}{\text{True}} \text{ vs. True}$$

$0.01 < y_{true} < 0.95$



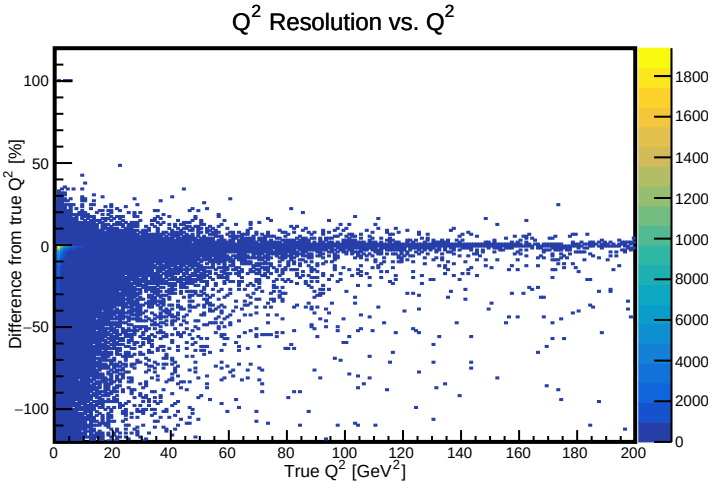


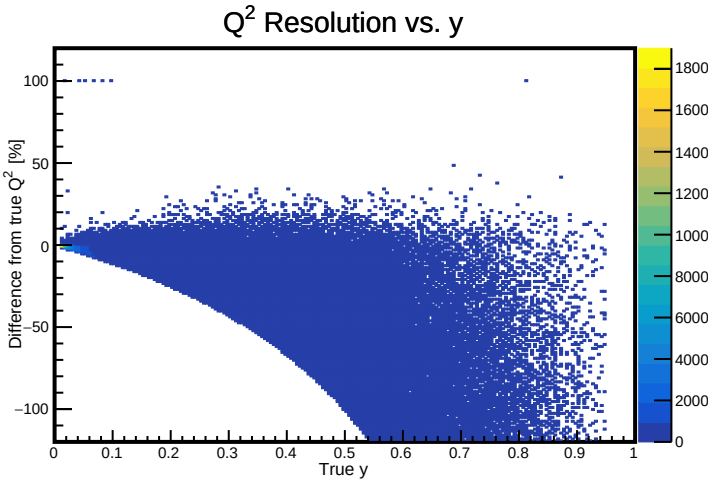


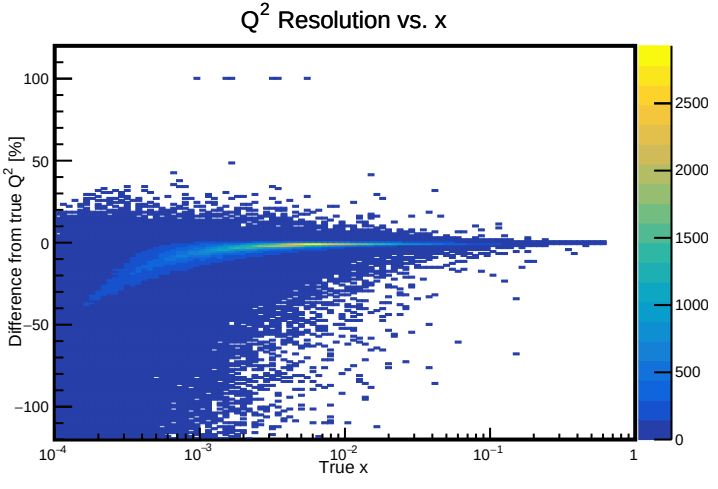
18 GeV e⁻ on 275 GeV p, $\sqrt{s}$=141 GeV

J.B. 4-Vector Method vs. True

$0.01 < y_{true} < 0.95$



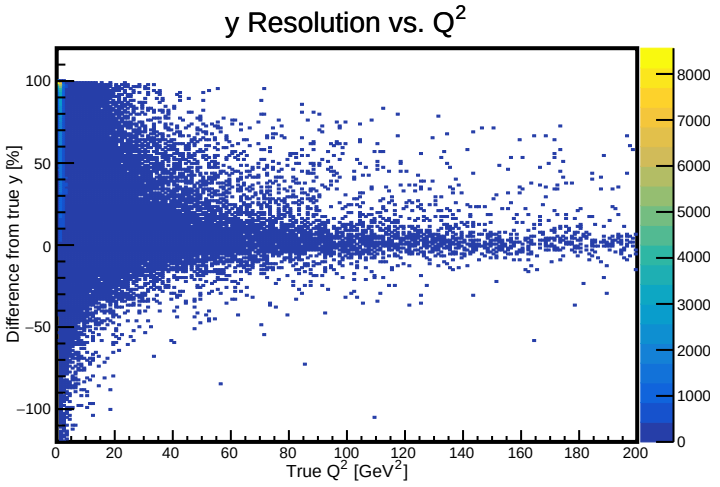


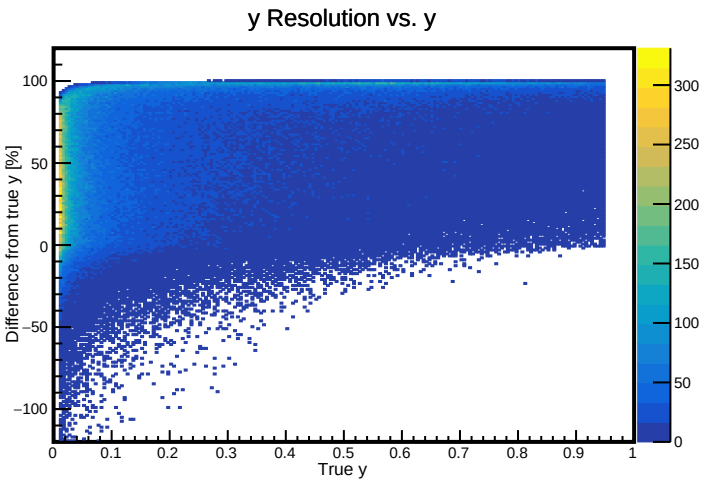


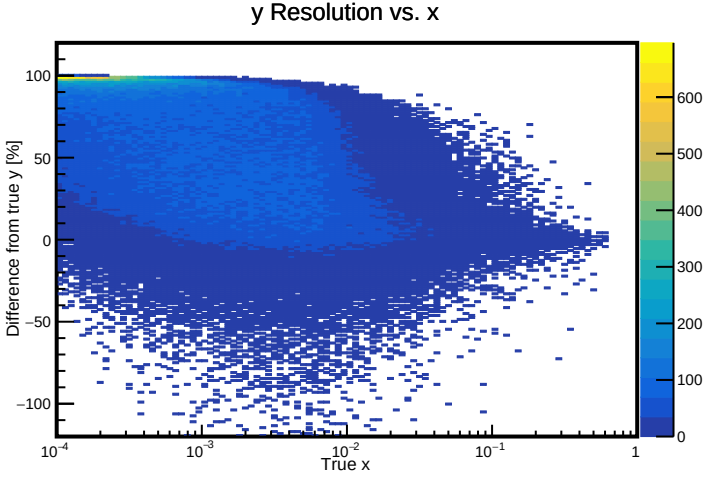
18 GeV e^- on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - D.A. Method (using jet)}}{\text{True}} \text{ vs. True}$$

$0.01 < y_{true} < 0.95$



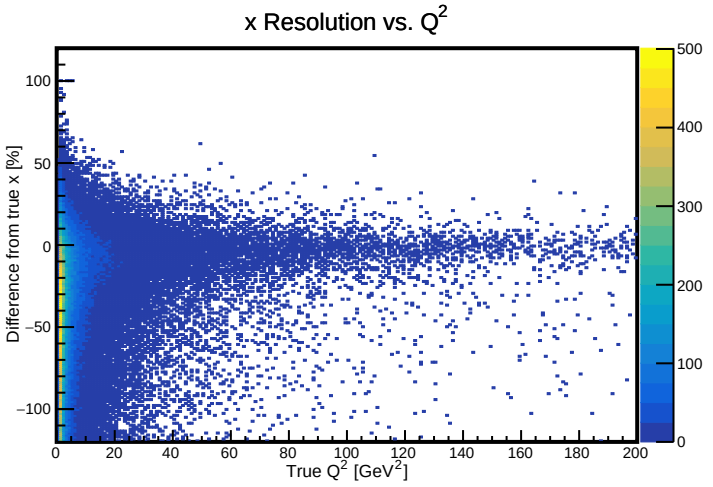


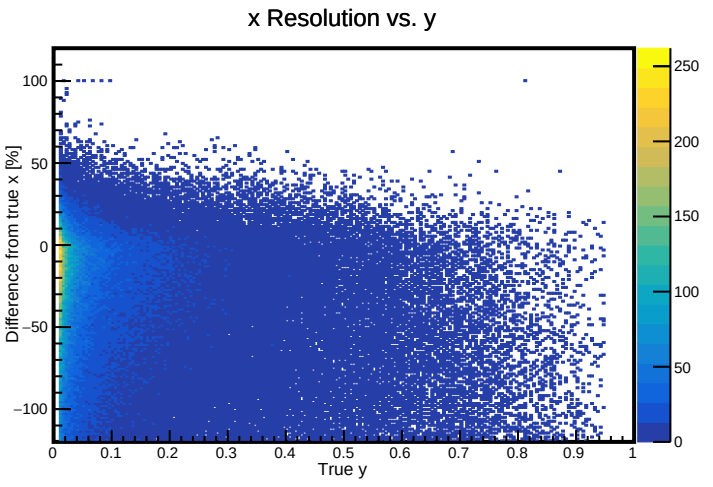


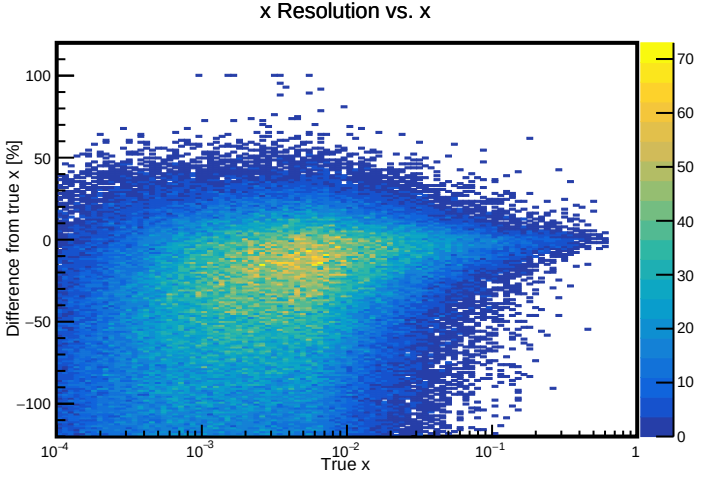
18 GeV e^- on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - D.A. Method (using jet)}}{\text{True}} \text{ vs. True}$$

$0.01 < y_{true} < 0.95$



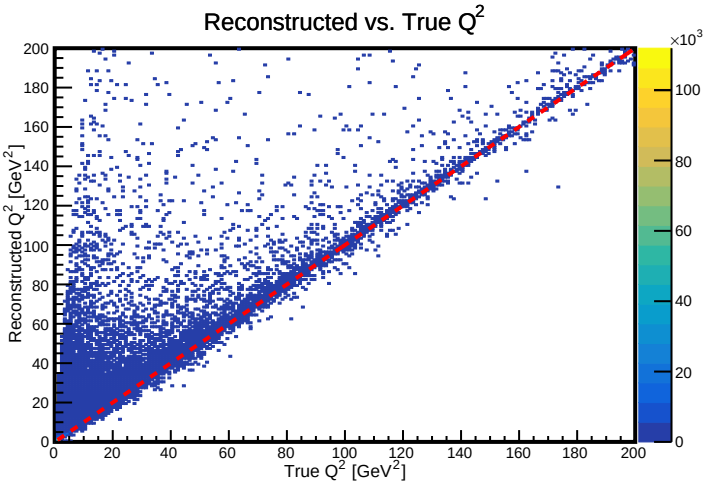


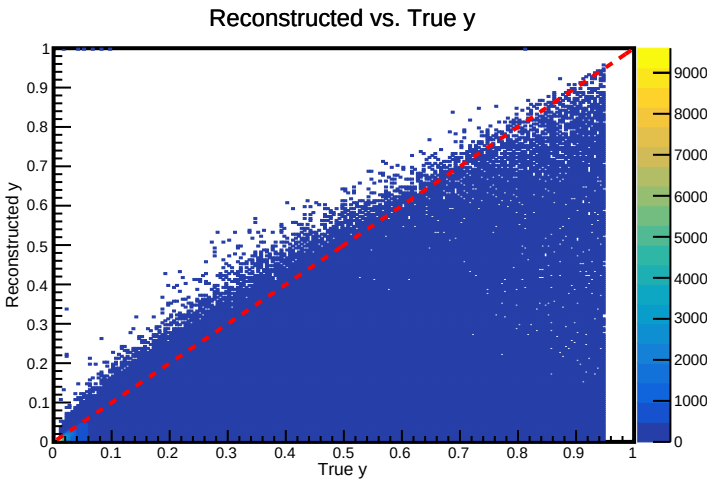


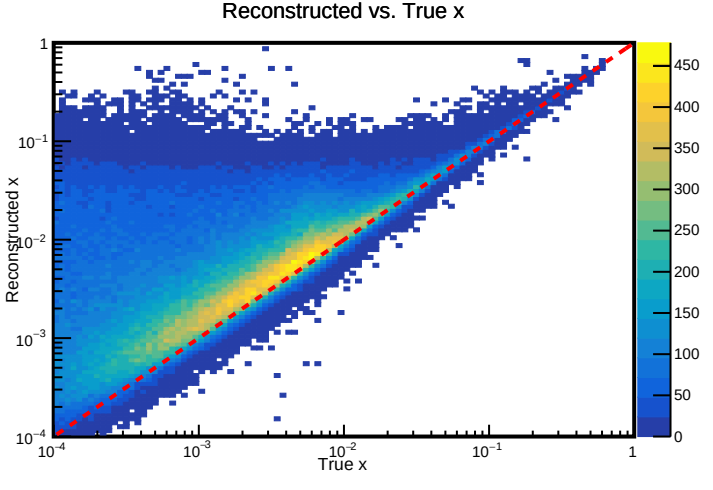
18 GeV e⁻ on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - D.A. Method (using jet)}}{\text{True}} \text{ vs. True}$$

$0.01 < y_{true} < 0.95$



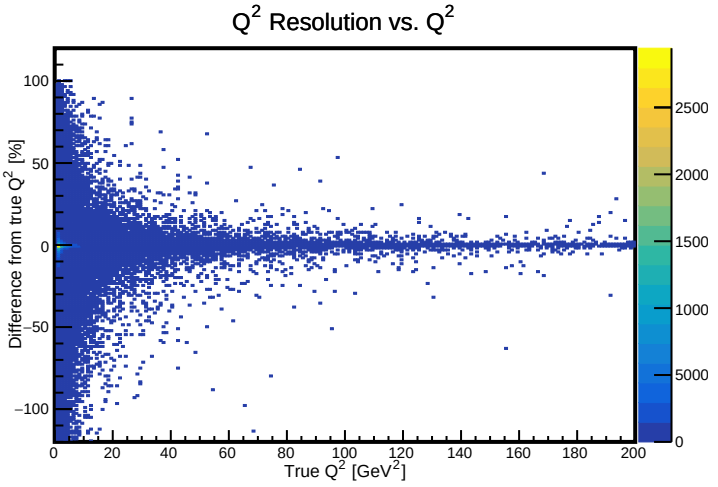


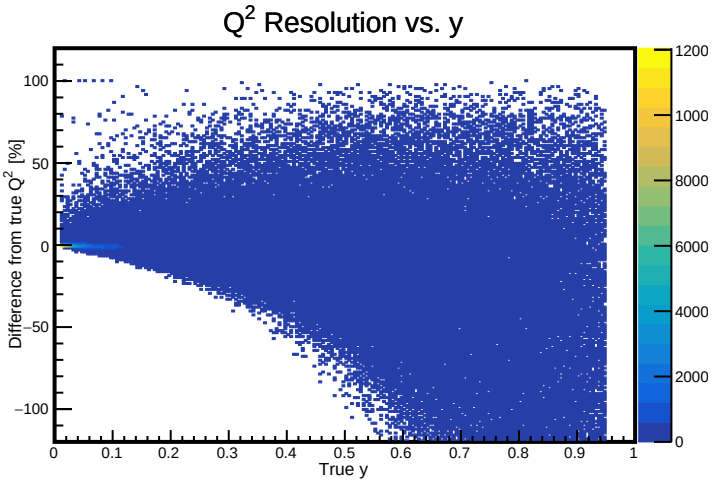


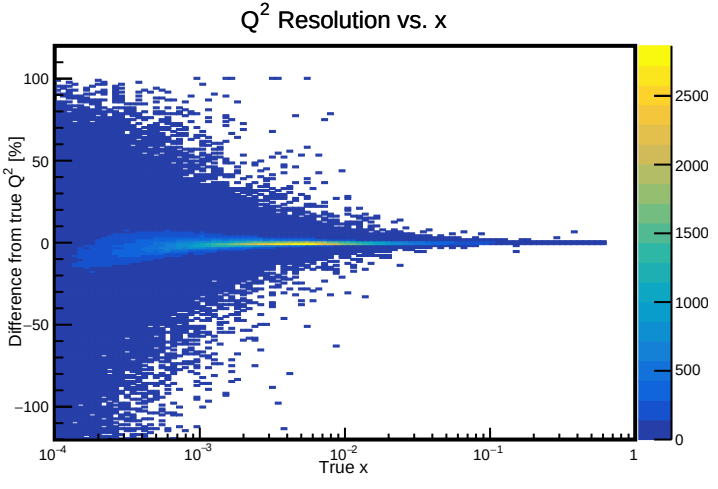
18 GeV e⁻ on 275 GeV p, $\sqrt{s}$=141 GeV

D.A. Method (using jet) vs. True

$0.01 < y_{true} < 0.95$



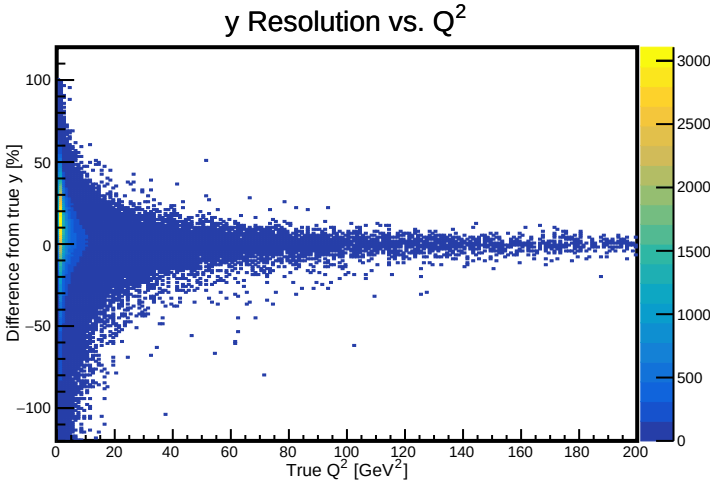


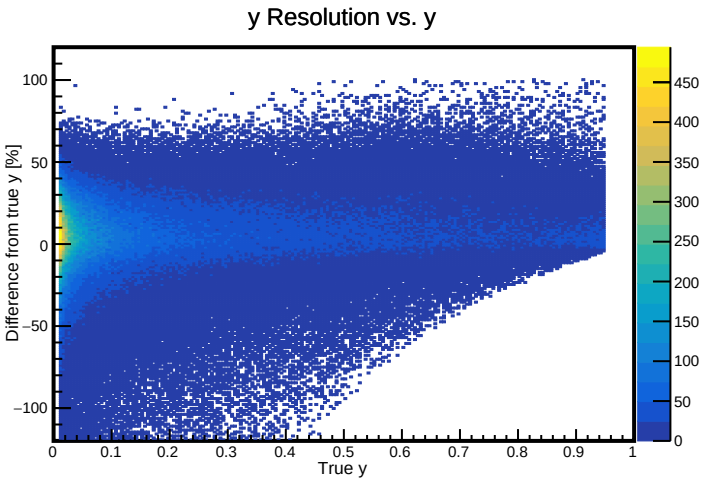


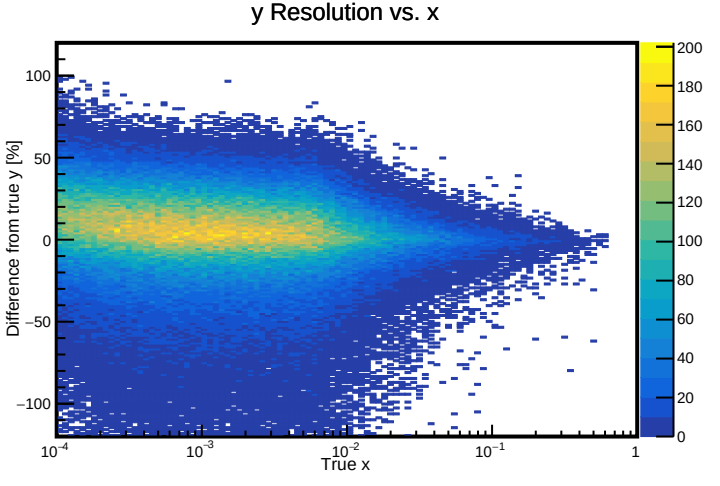
18 GeV e^- on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - D.A. Method (summing all particles)}}{\text{True}} \text{ vs. True}$$

$0.01 < y_{true} < 0.95$



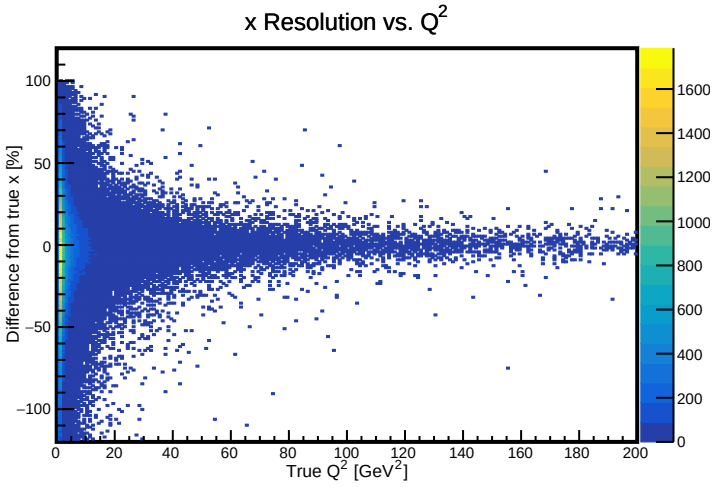


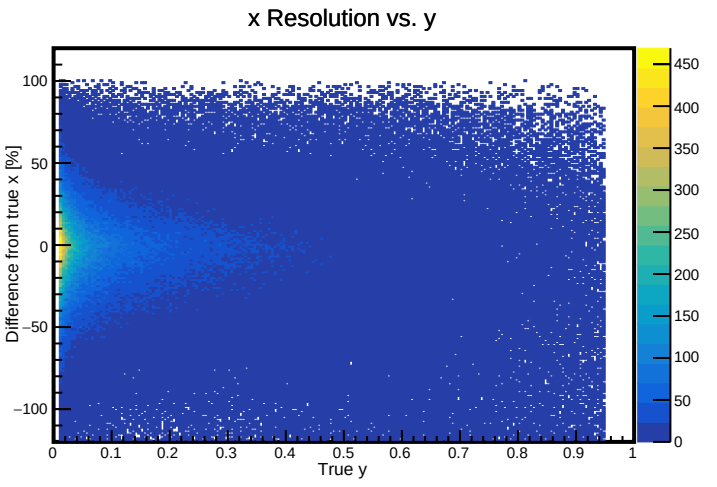


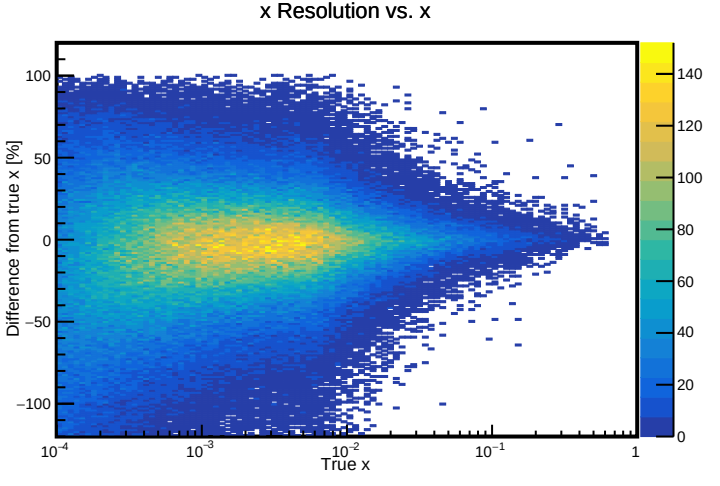
18 GeV e^- on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - D.A. Method (summing all particles)}}{\text{True}} \text{ vs. True}$$

$0.01 < y_{true} < 0.95$



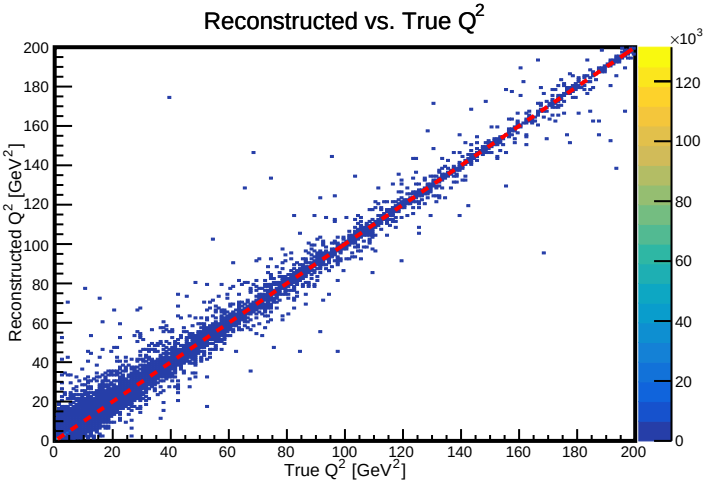


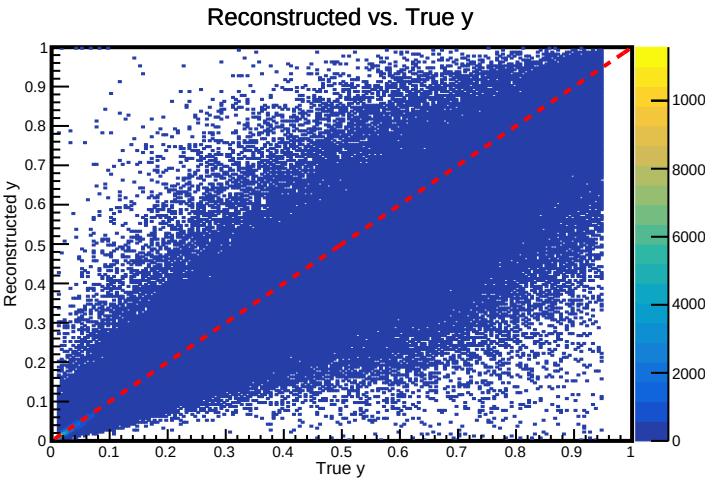


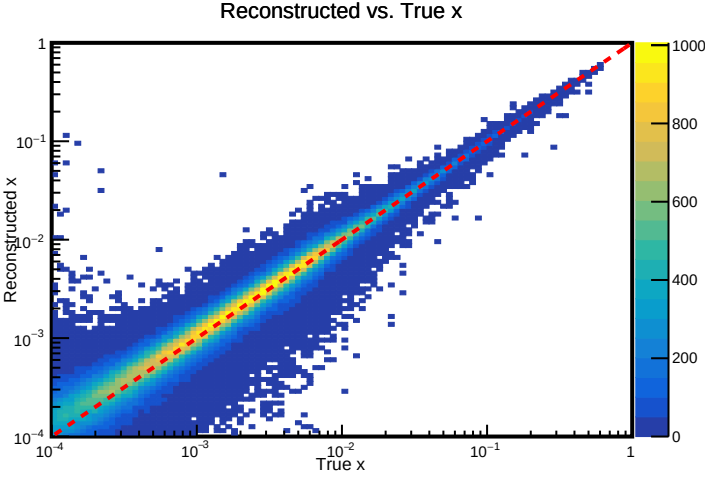
18 GeV e^- on 275 GeV p, $\sqrt{s}$=141 GeV

$$\frac{\text{True - D.A. Method (summing all particles)}}{\text{True}}$$ **vs. True**

$0.01 < y_{true} < 0.95$



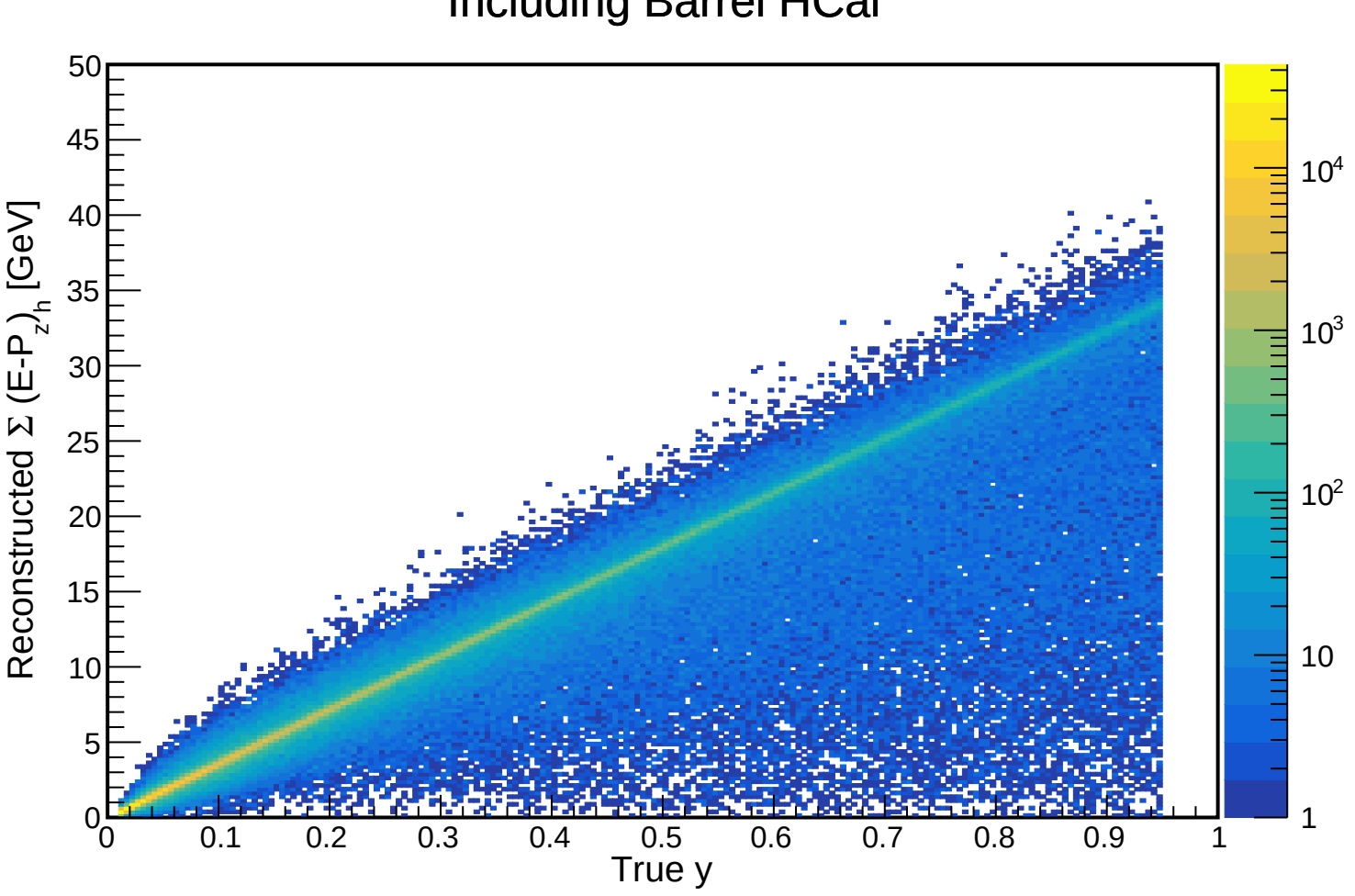


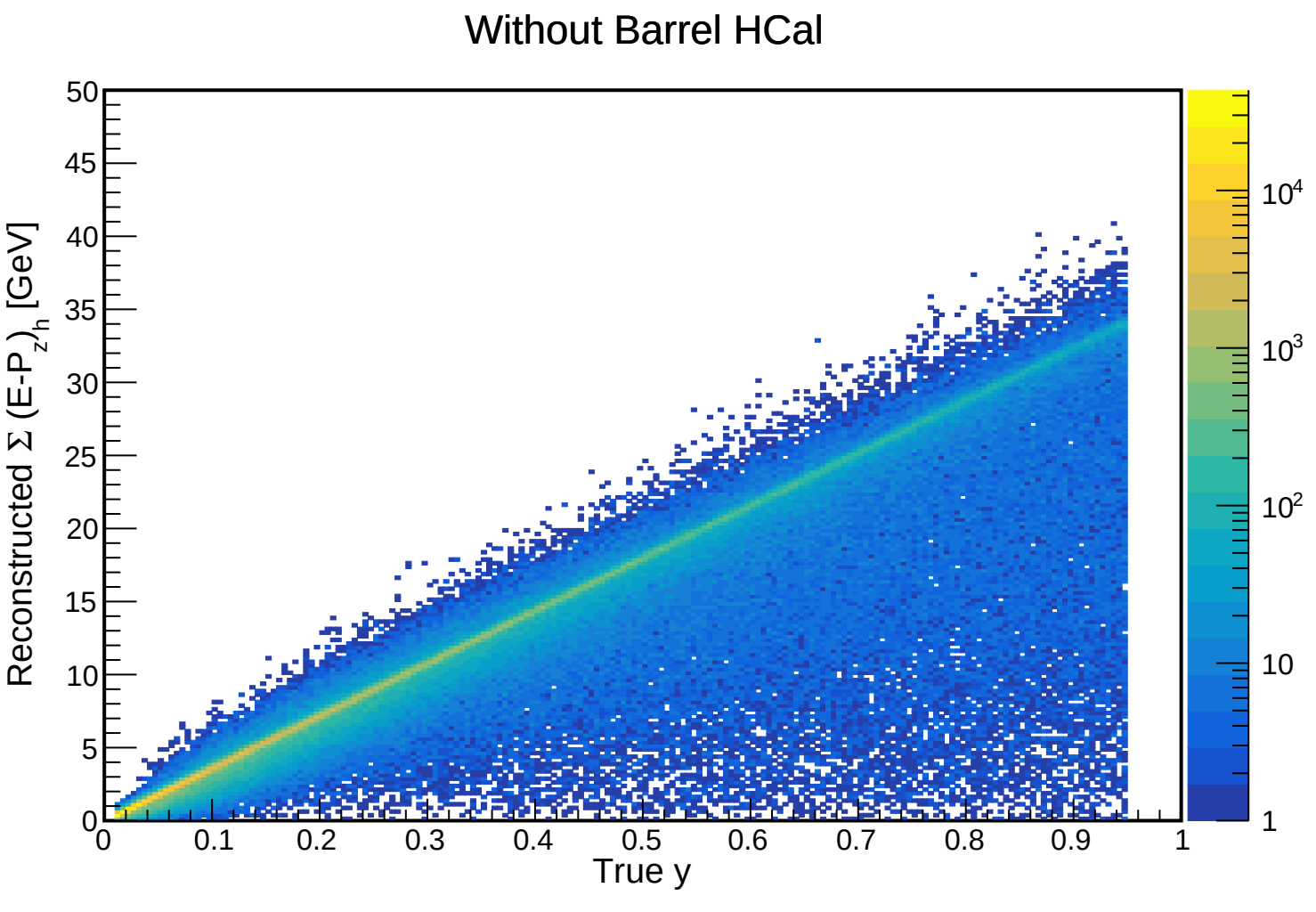


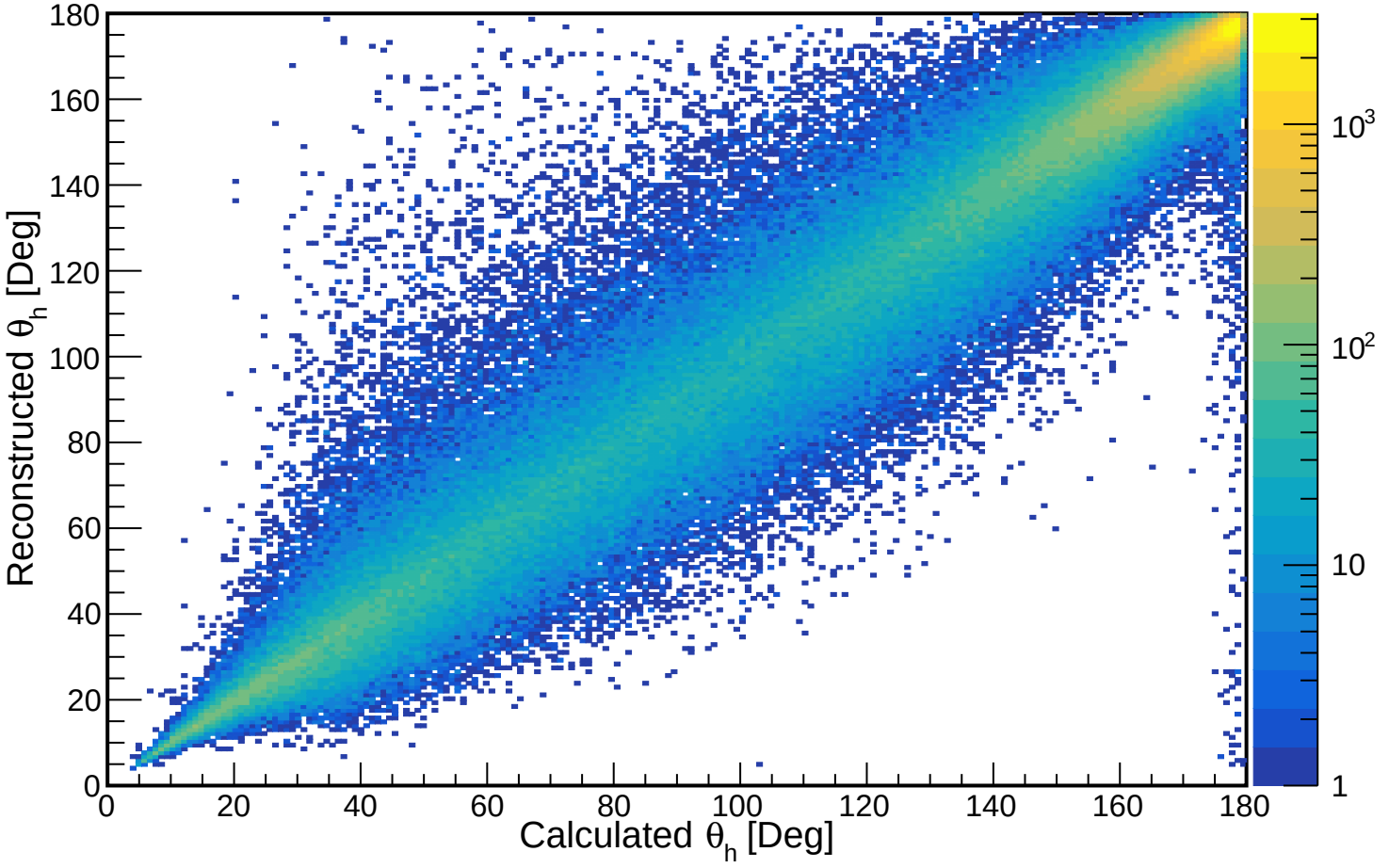
18 GeV e$^-$ on 275 GeV p, $\sqrt{s}$=141 GeV

D.A. Method (summing all particles) vs. True

$0.01 < y_{true} < 0.95$


Including Barrel HCal
Reconstructed Σ (E-P_z^h) [GeV]
True y
0
5
10
15
20
25
30
35
40
45
50
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1
10
10^2
10^3
10^4


Without Barrel HCal
Reconstructed Σ (E-P$_{z}$)$_{h}$ [GeV]
True y
0
5
10
15
20
25
30
35
40
45
50
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
10^4
10^3
10^2
10
1


Reconstructed θ_h [Deg]
Calculated θ_h [Deg]
0
20
40
60
80
100
120
140
160
180
1
10
10^2
10^3