

# K-Koto Meeting

2020/10/27

YoungJun Kim

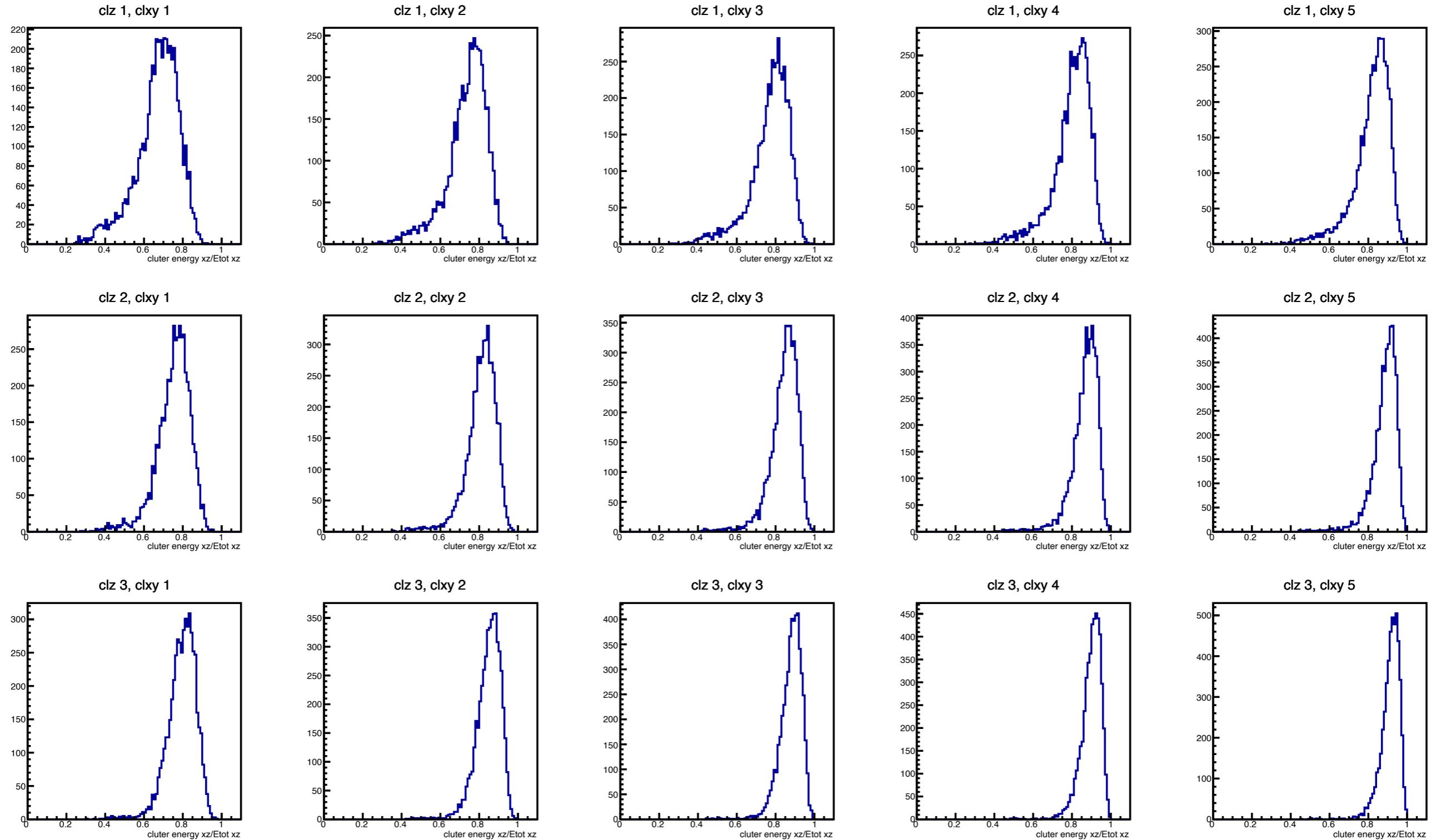


# To Do List

- 1mm Lead + 5mm Scintillator
  - 5mm Scintillator width
  - Clustering size(z, xy) effect ...
- Energy threshold effect
  - Energy distribution in cluster?
  - Number of hits distribution?

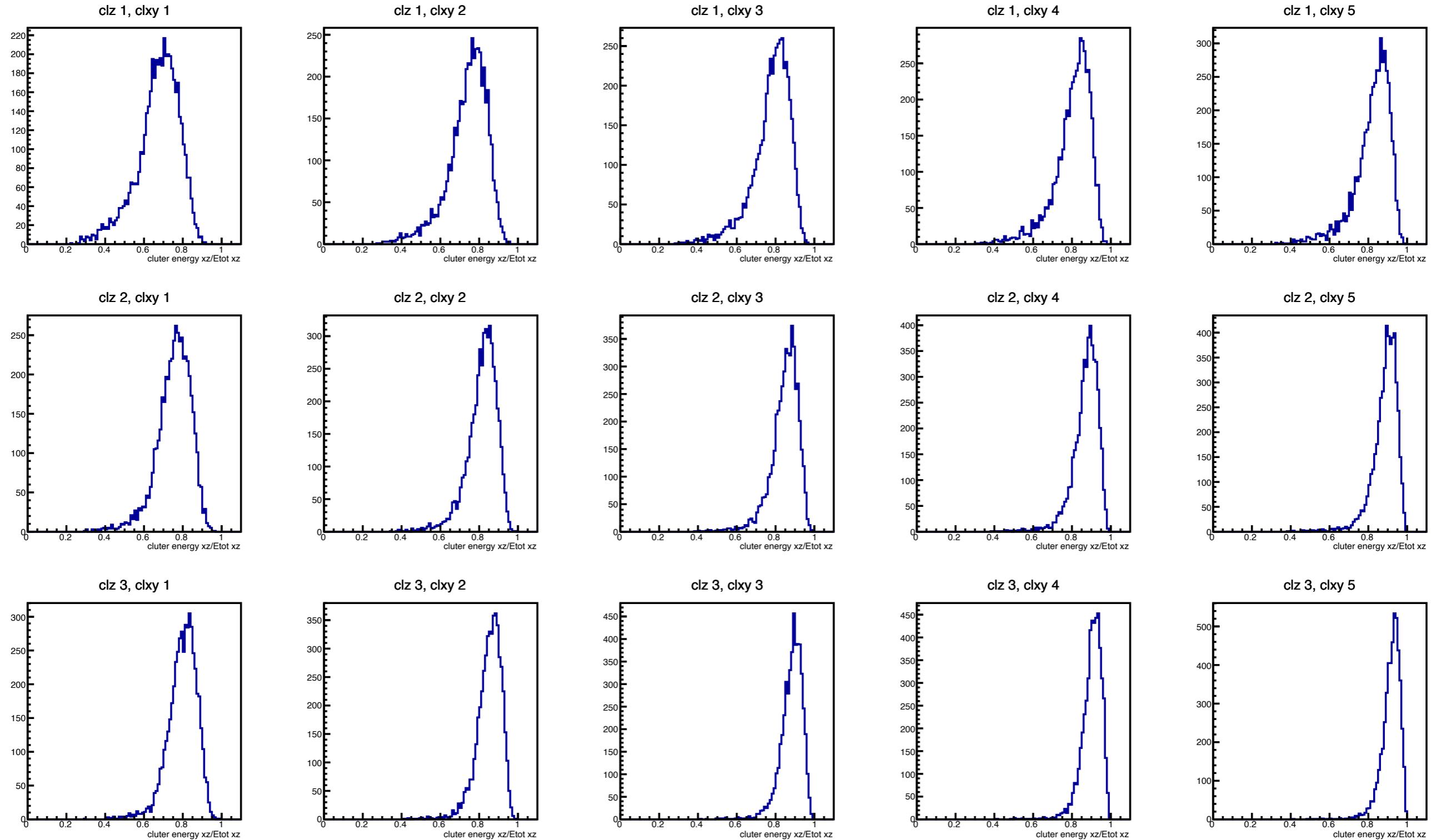
# Cluster Energy Ratio (xz)

0 deg  $\theta$



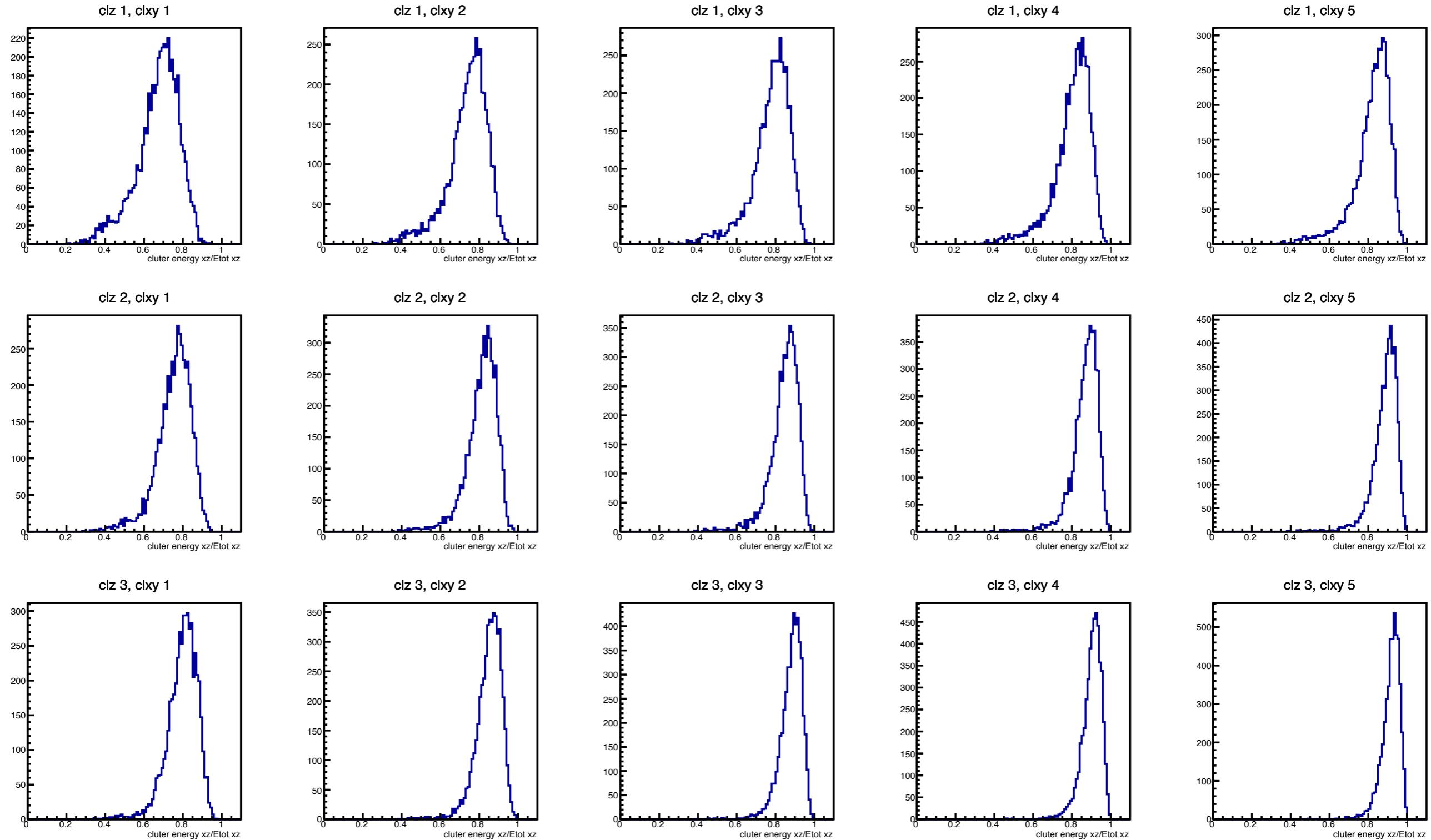
# Cluster Energy Ratio (xz)

5 deg  $\theta$



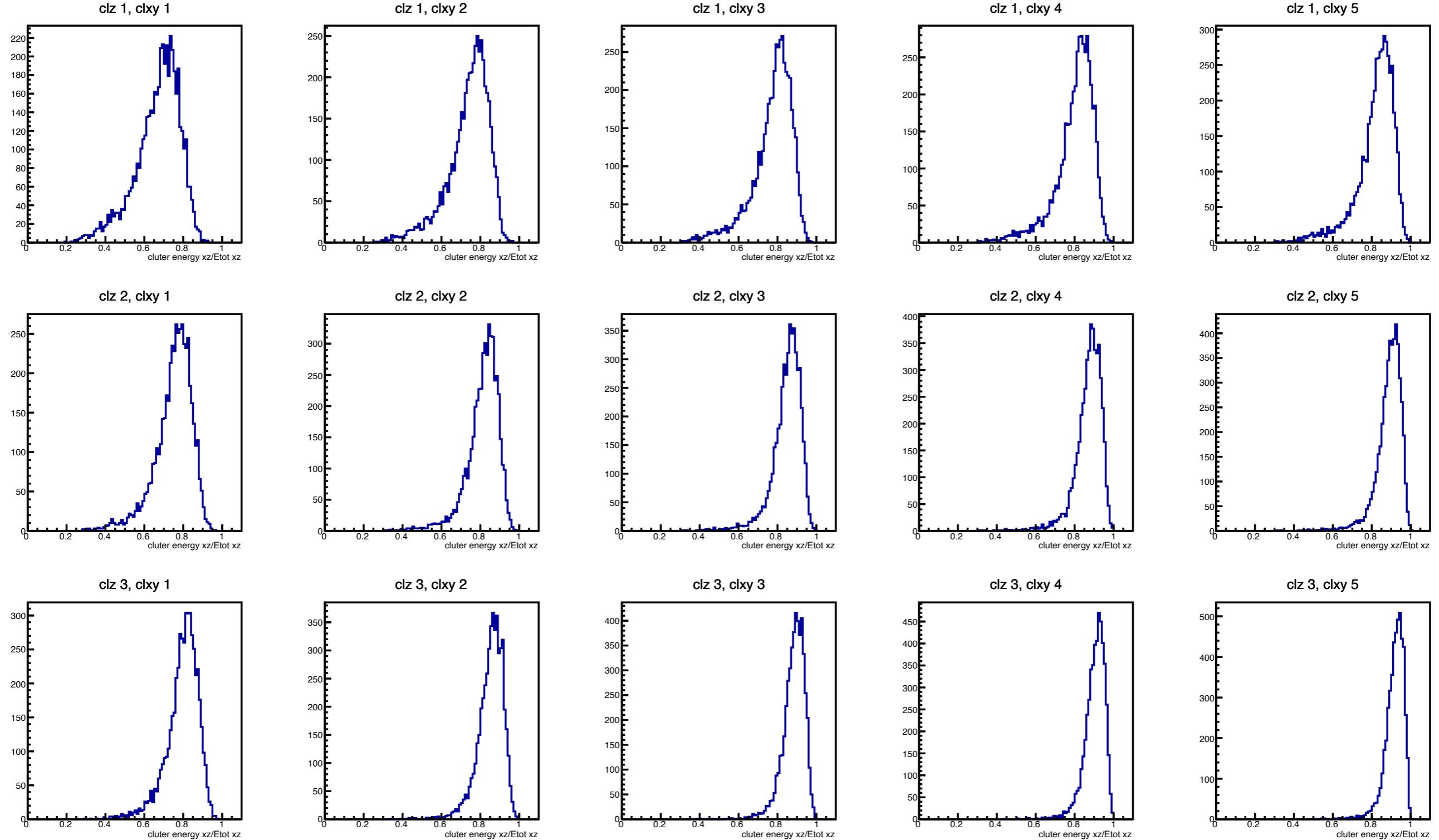
# Cluster Energy Ratio (xz)

10 deg  $\theta$



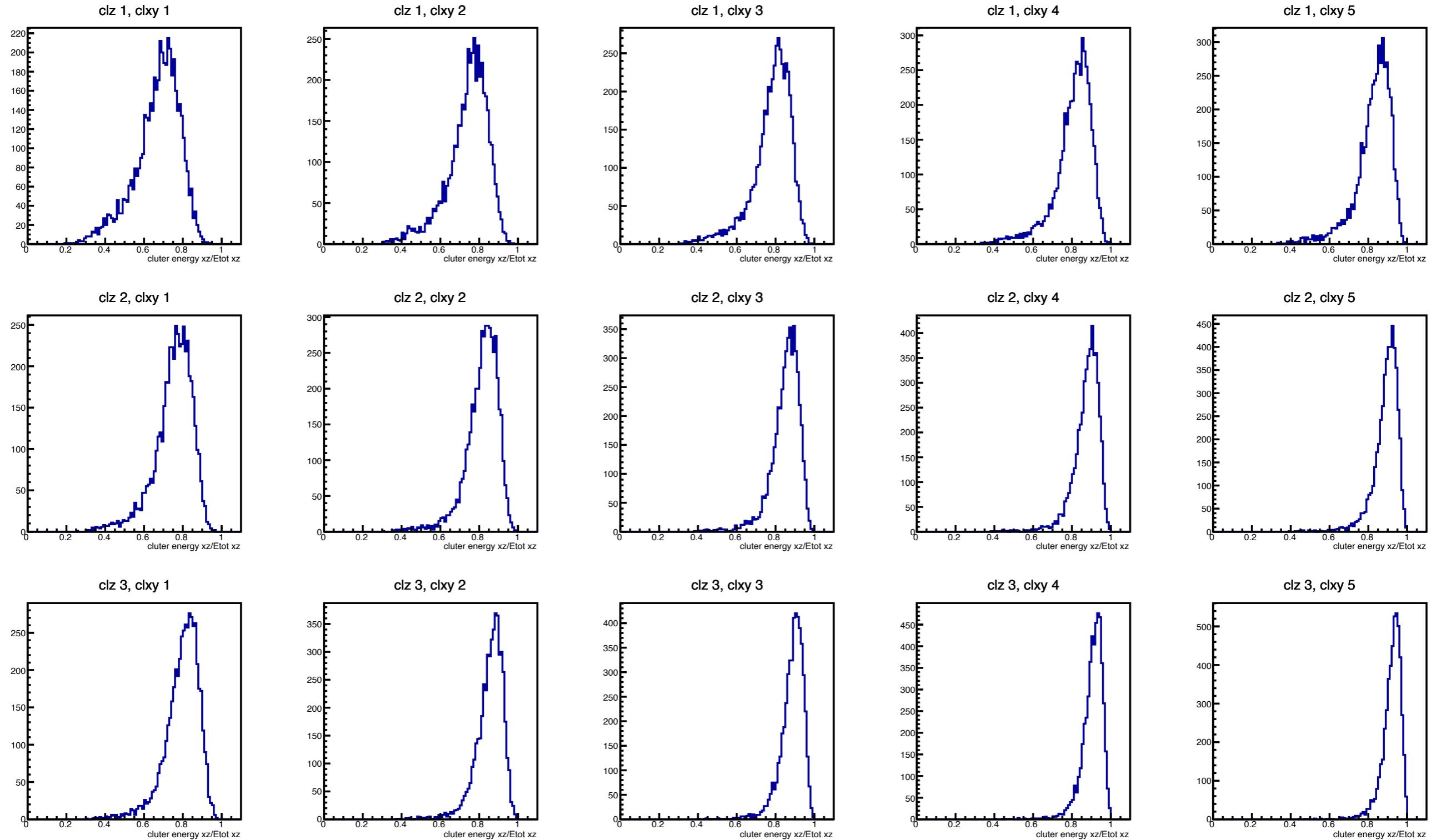
# Cluster Energy Ratio (xz)

15 deg  $\theta$



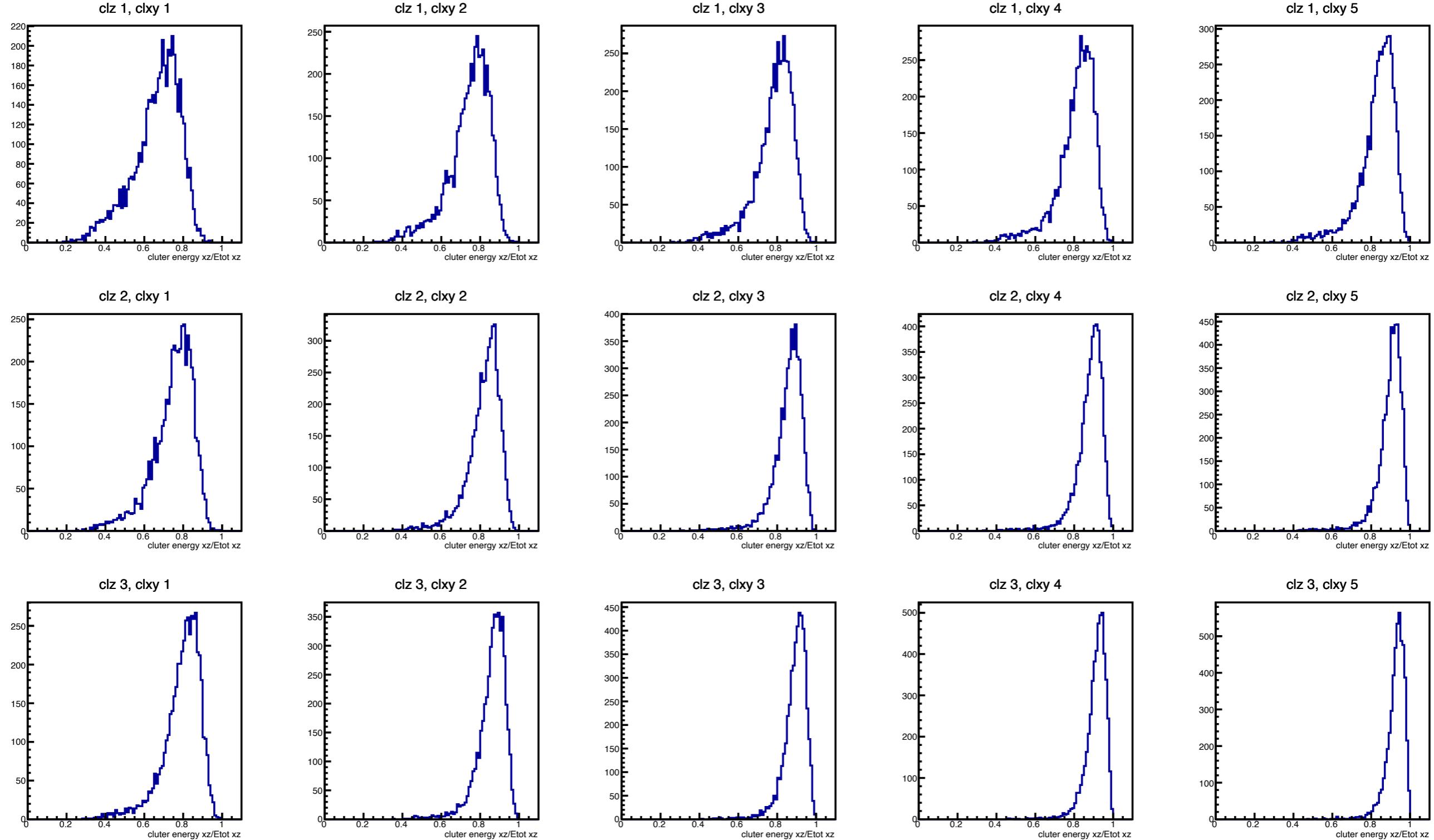
# Cluster Energy Ratio (xz)

20 deg  $\theta$



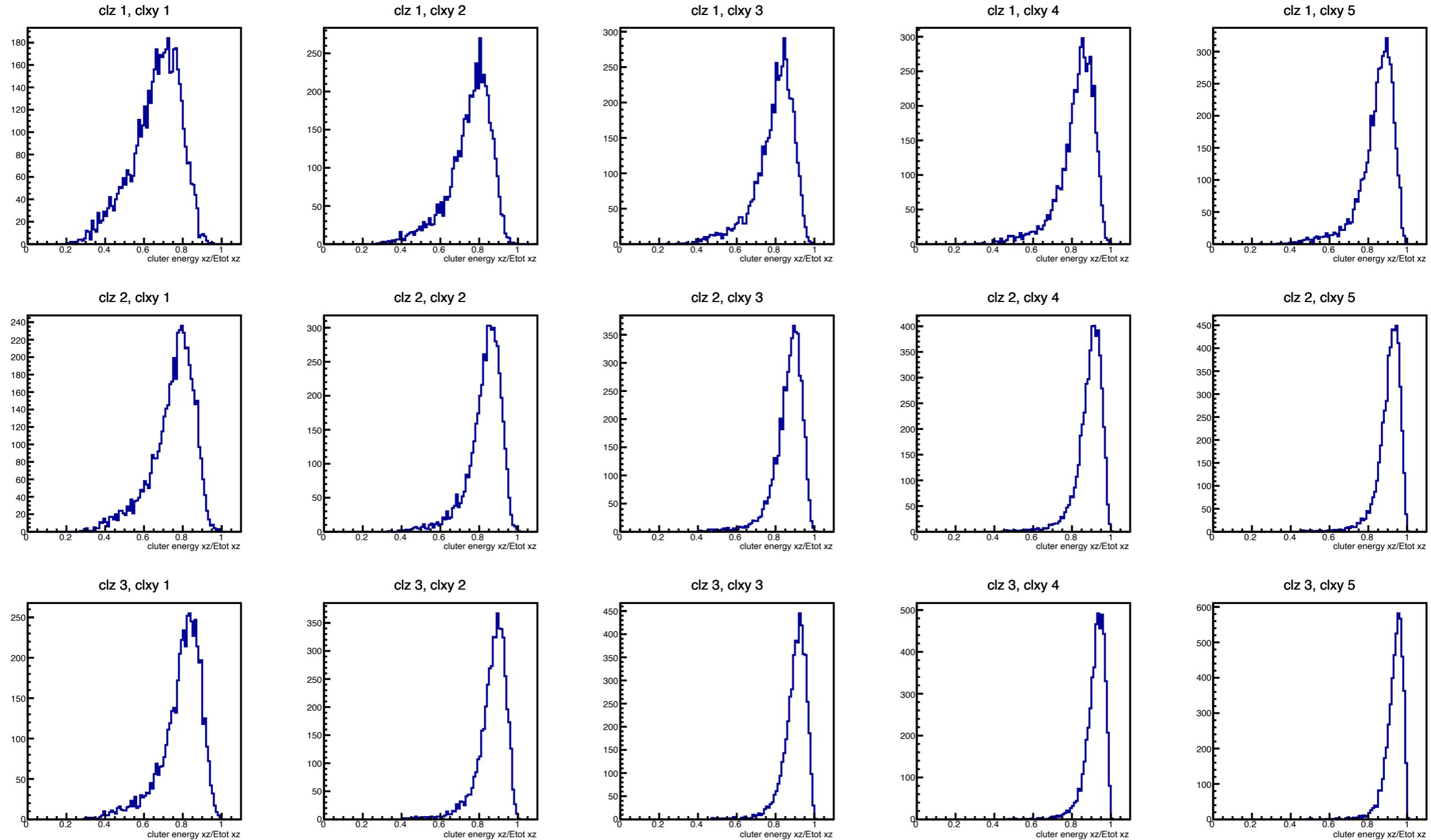
# Cluster Energy Ratio (xz)

25 deg  $\theta$



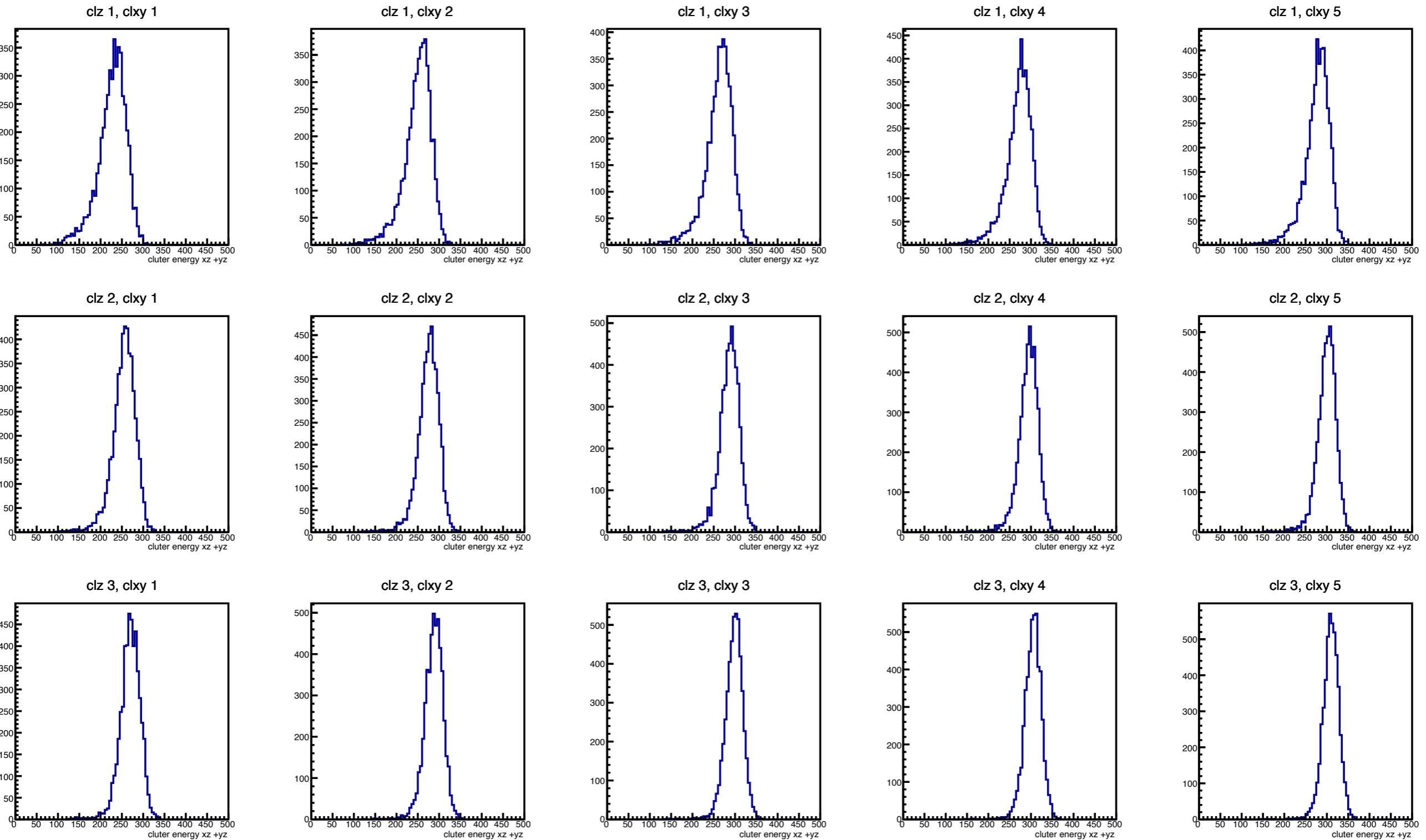
# Cluster Energy Ratio (xz)

30 deg  $\theta$



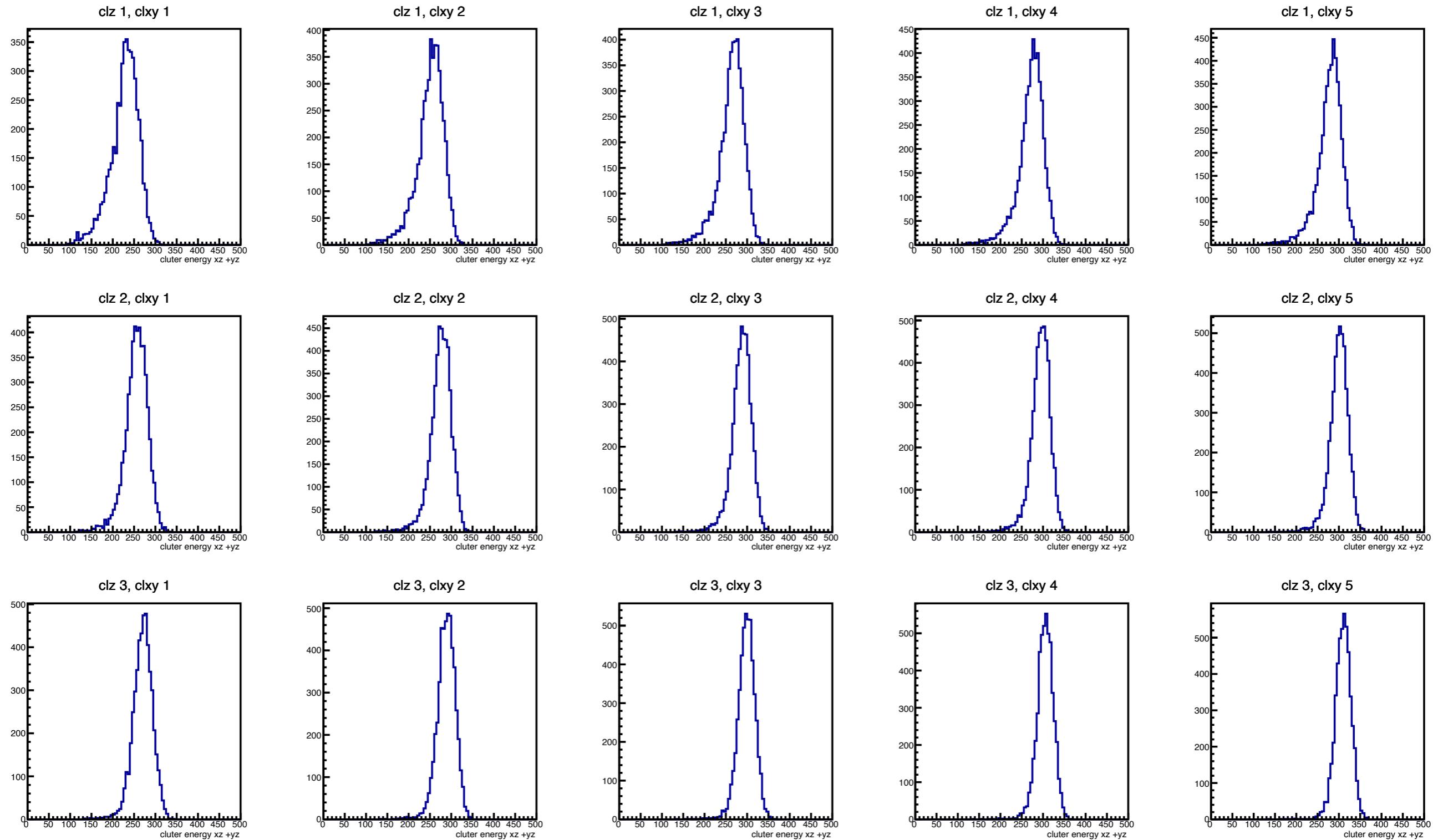
# Cluster $E_{\text{total}}$

0 deg  $\theta$



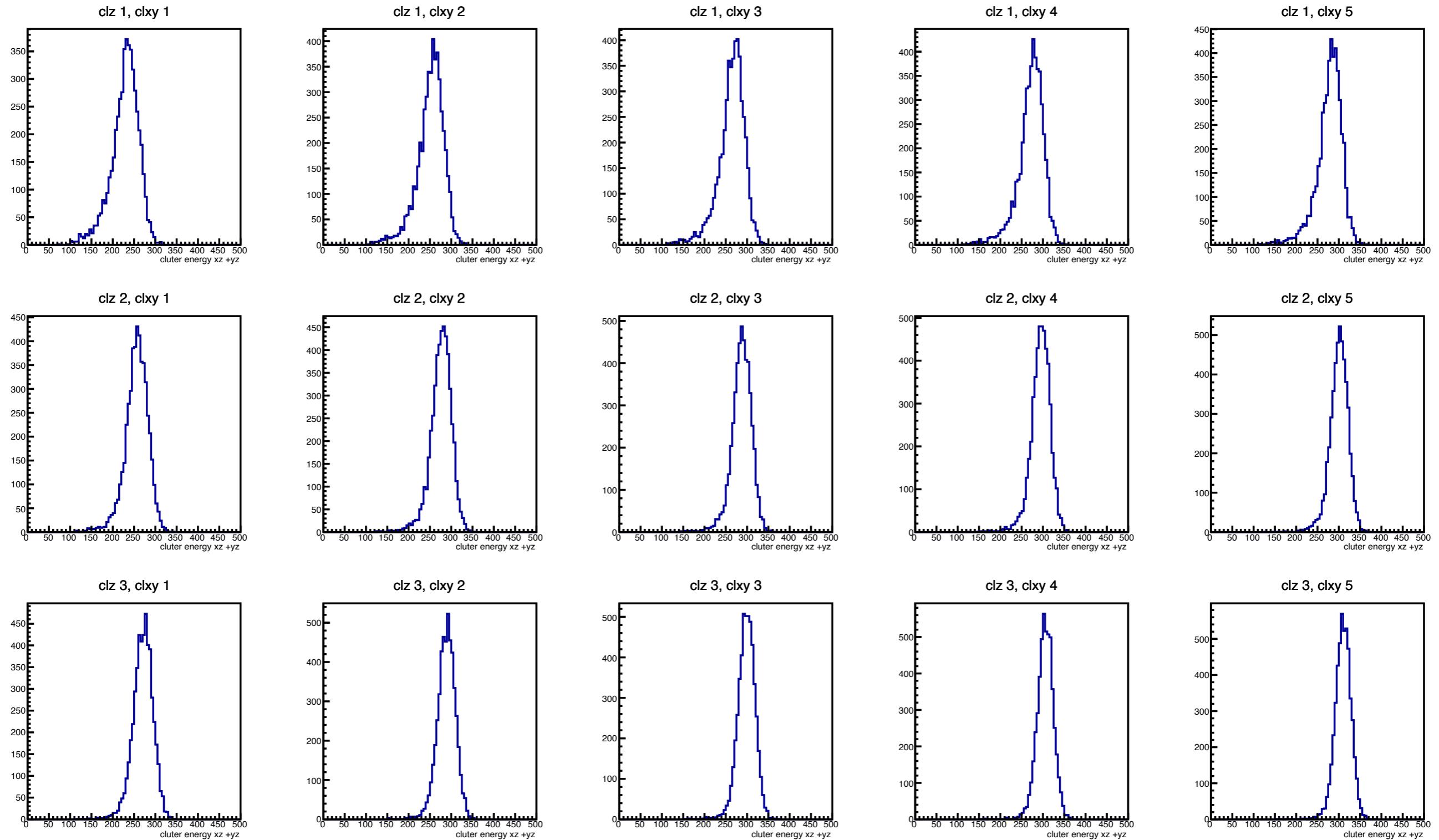
# Cluster $E_{\text{total}}$

5 deg  $\theta$



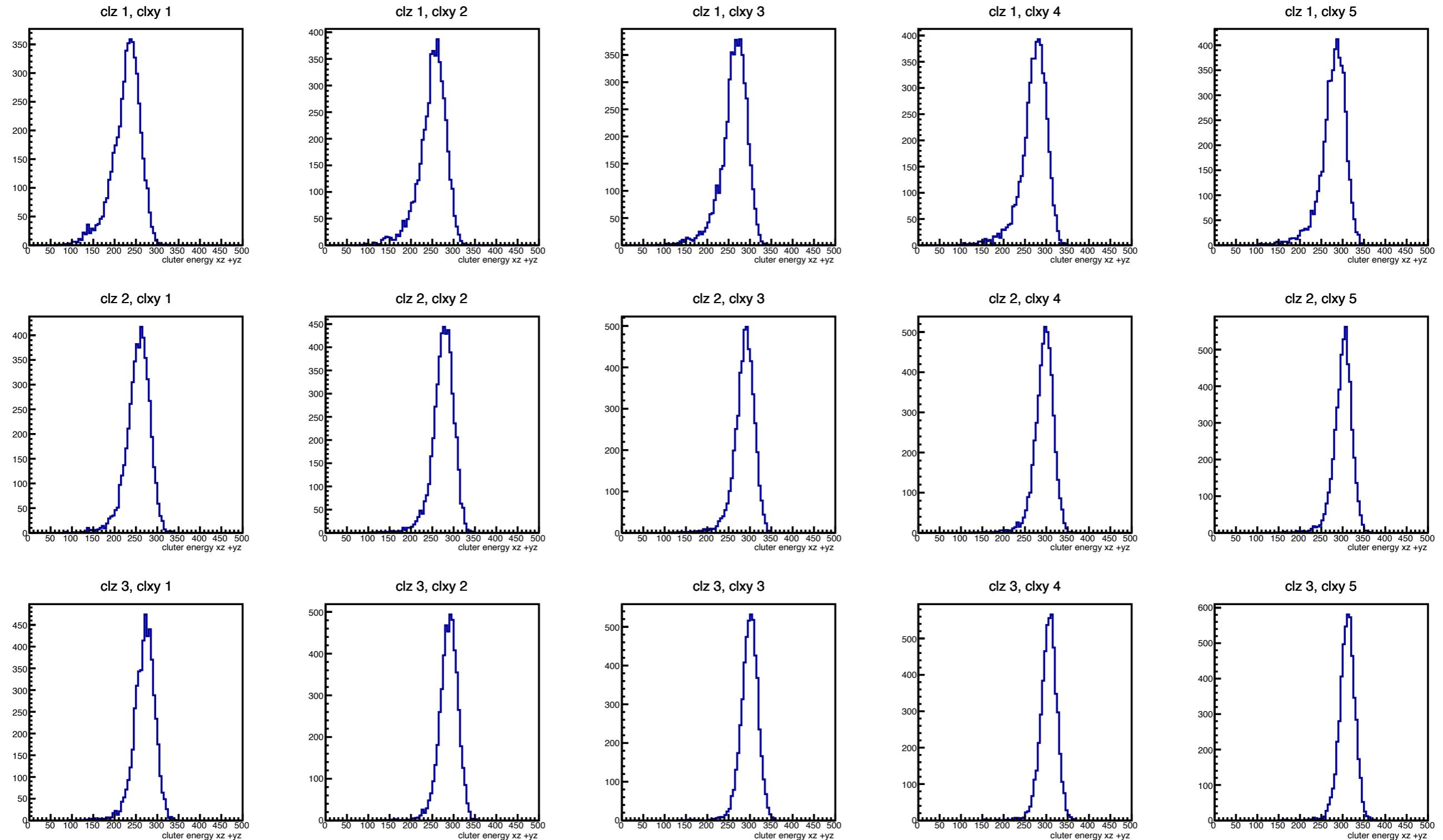
# Cluster $E_{\text{total}}$

$10 \deg \theta$



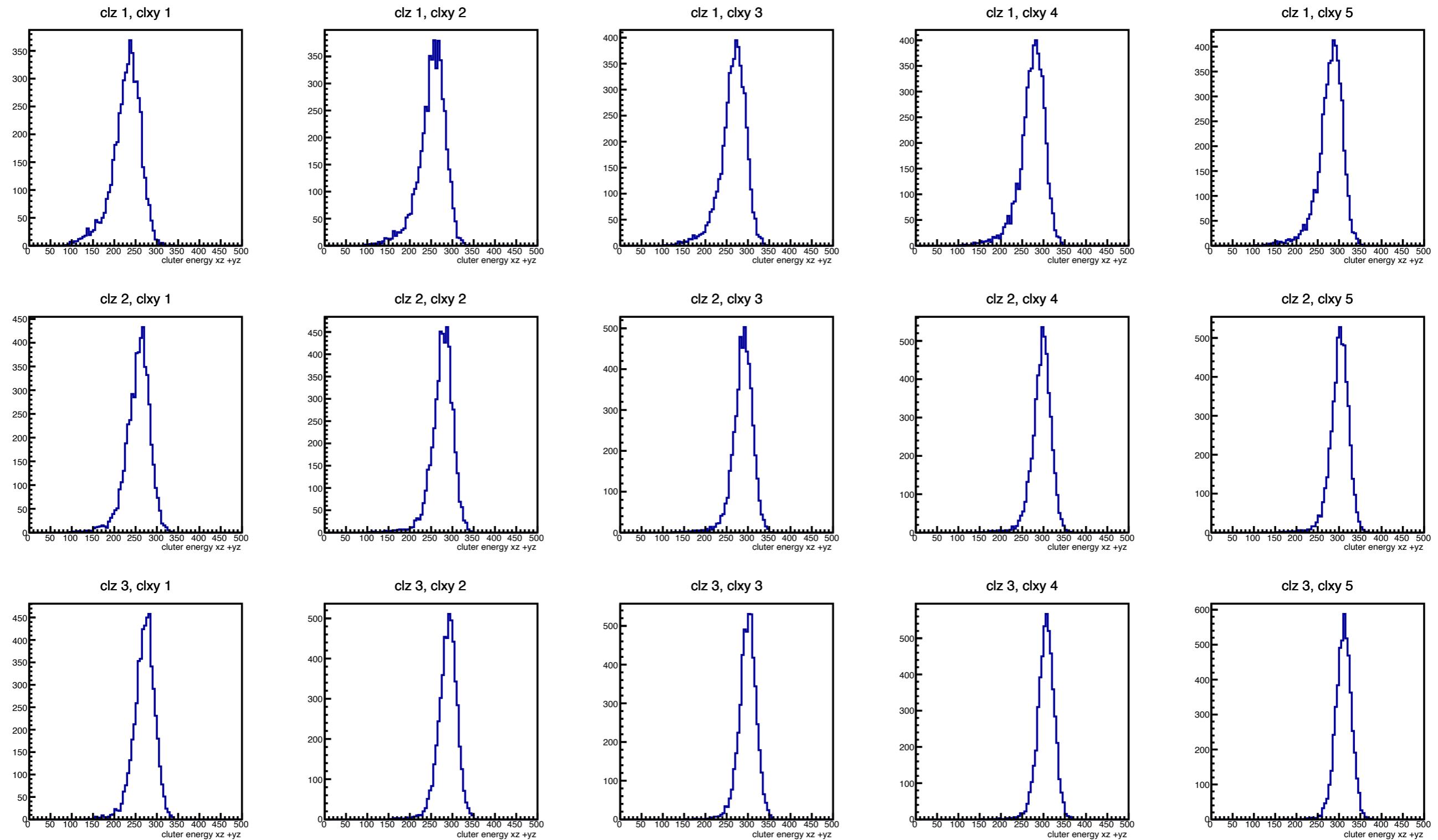
# Cluster $E_{\text{total}}$

15 deg  $\theta$



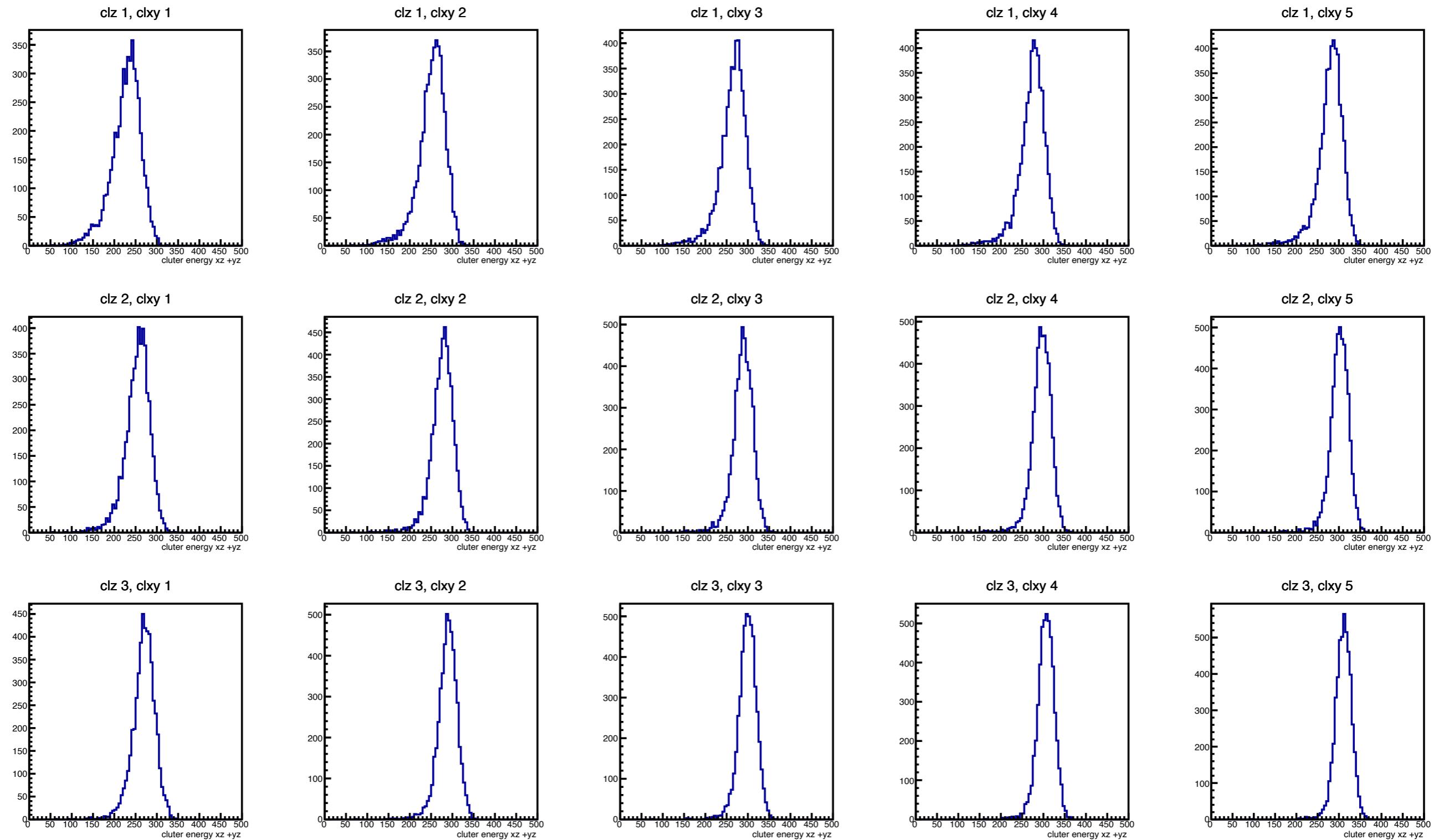
# Cluster $E_{\text{total}}$

20 deg  $\theta$



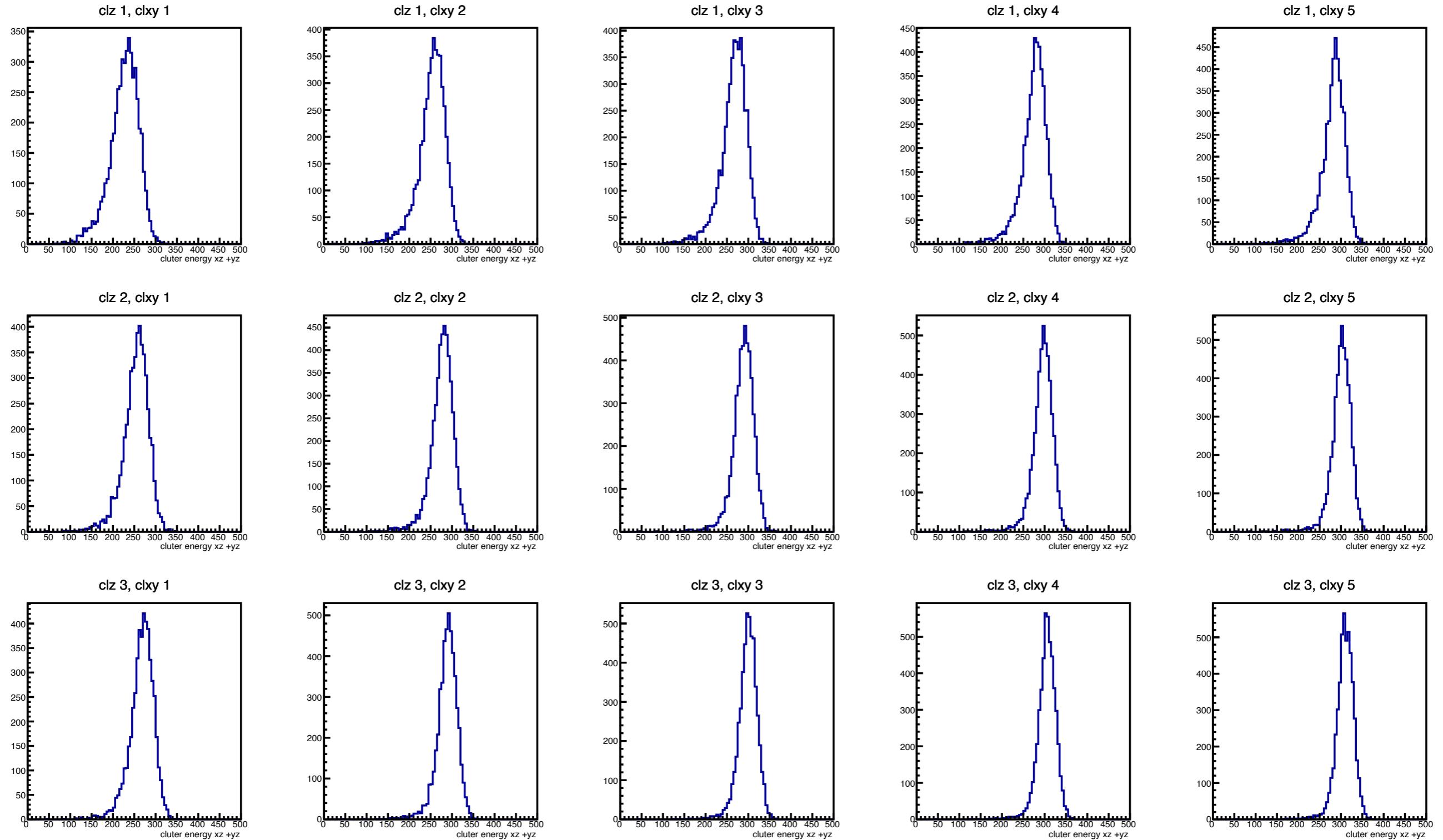
# Cluster $E_{\text{total}}$

$25 \deg \theta$



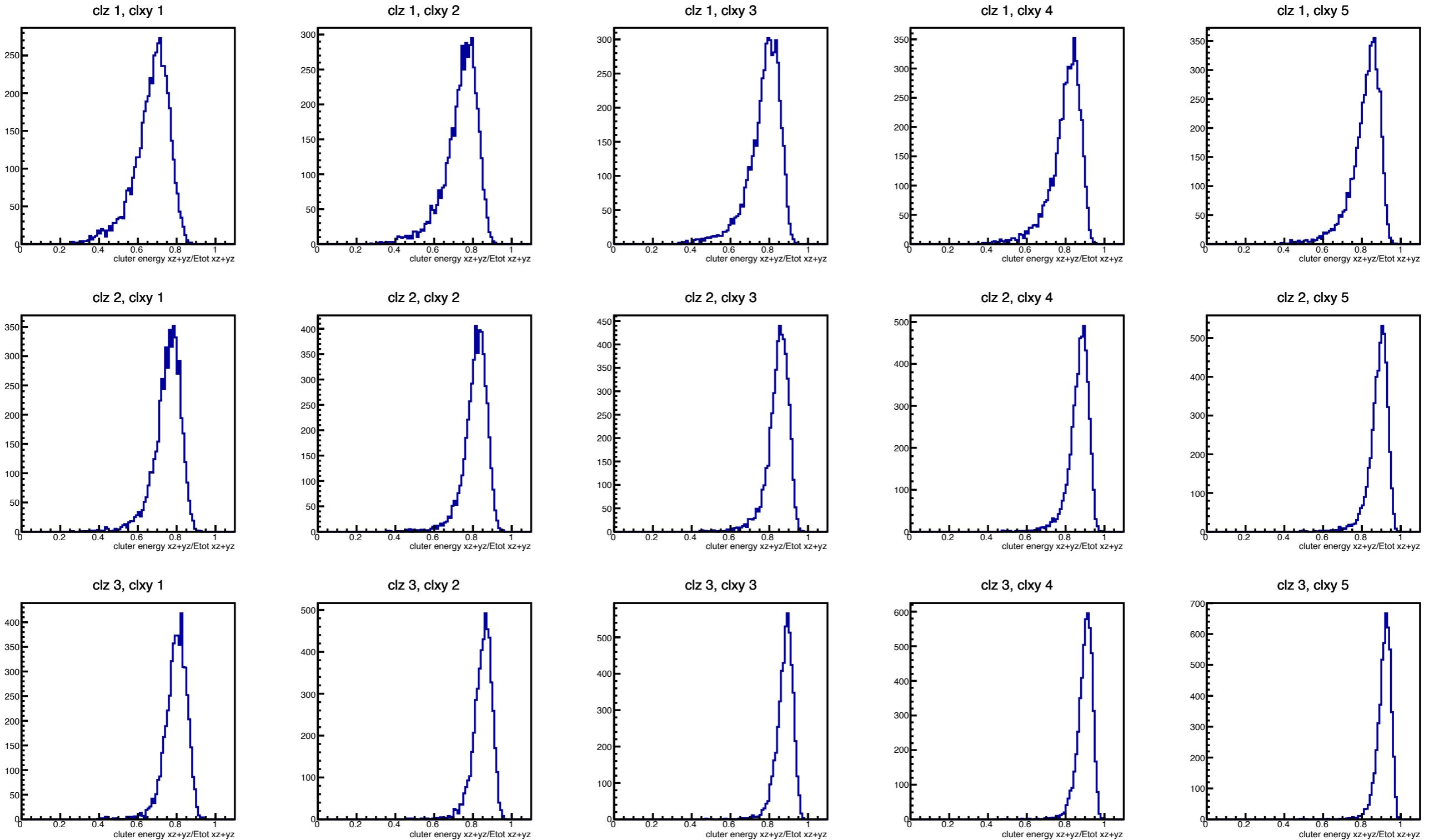
# Cluster $E_{\text{total}}$

30 deg  $\theta$



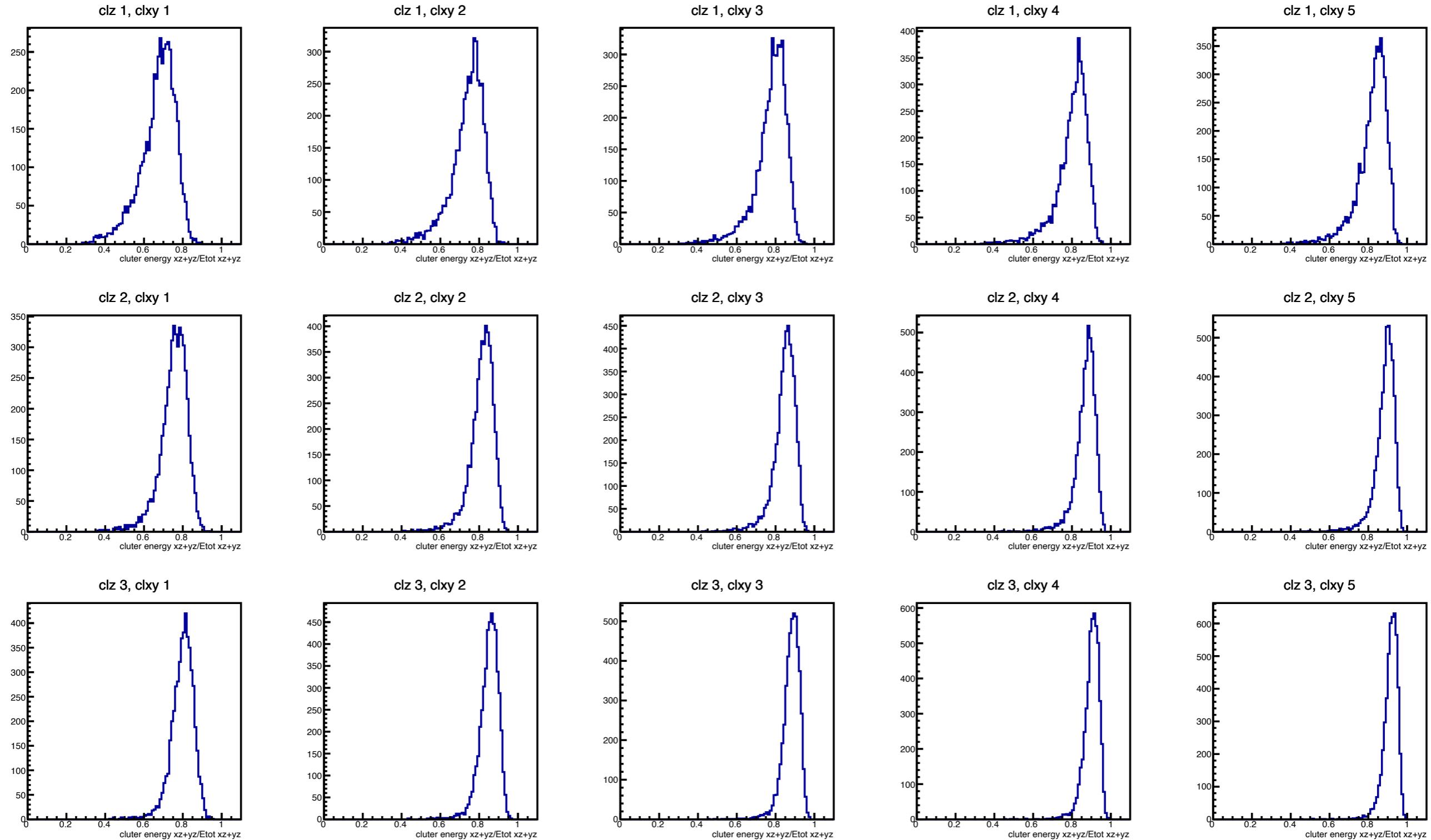
# Cluster Energy Ratio (xz + yz)

0 deg  $\theta$



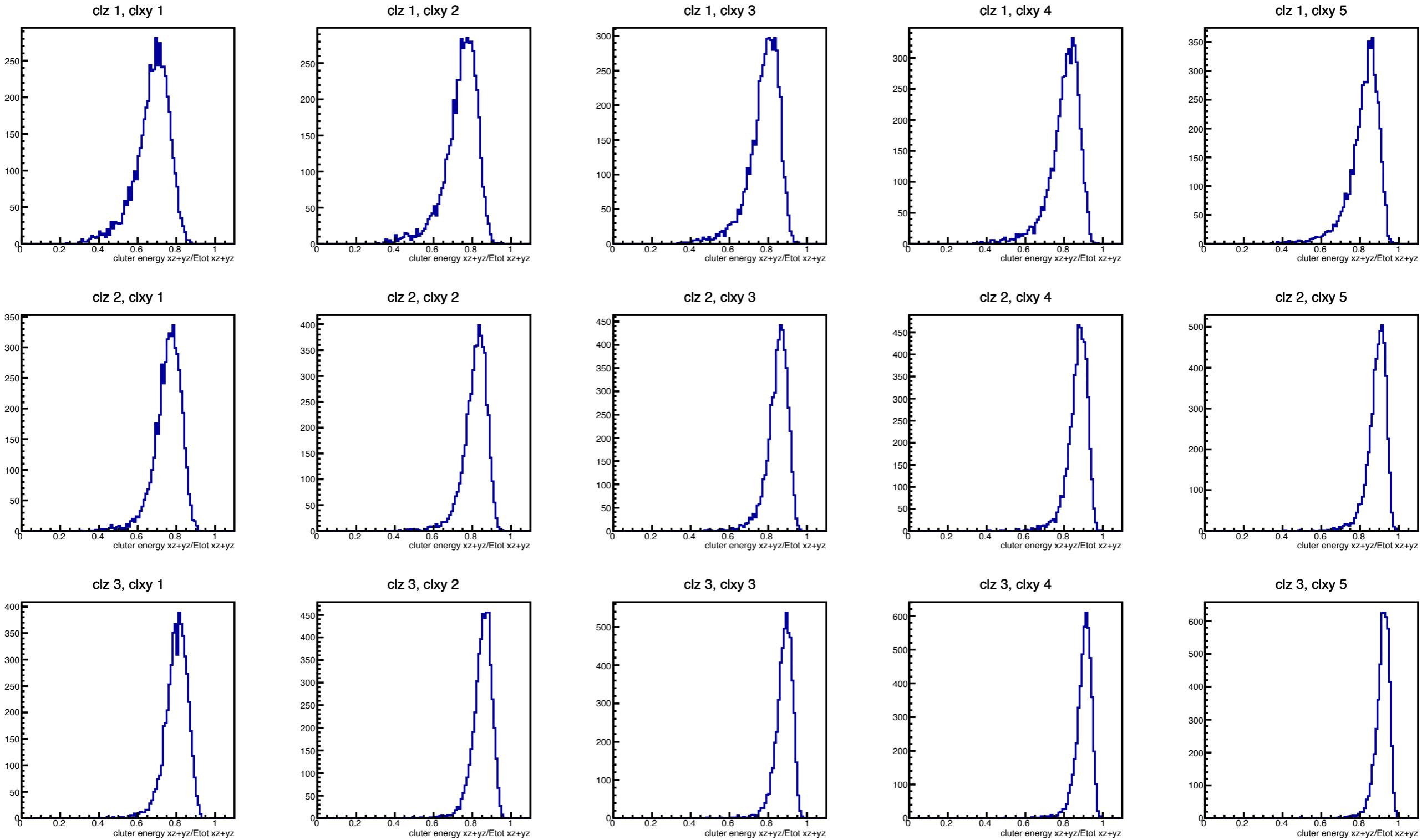
# Cluster Energy Ratio (xz + yz)

5 deg  $\theta$



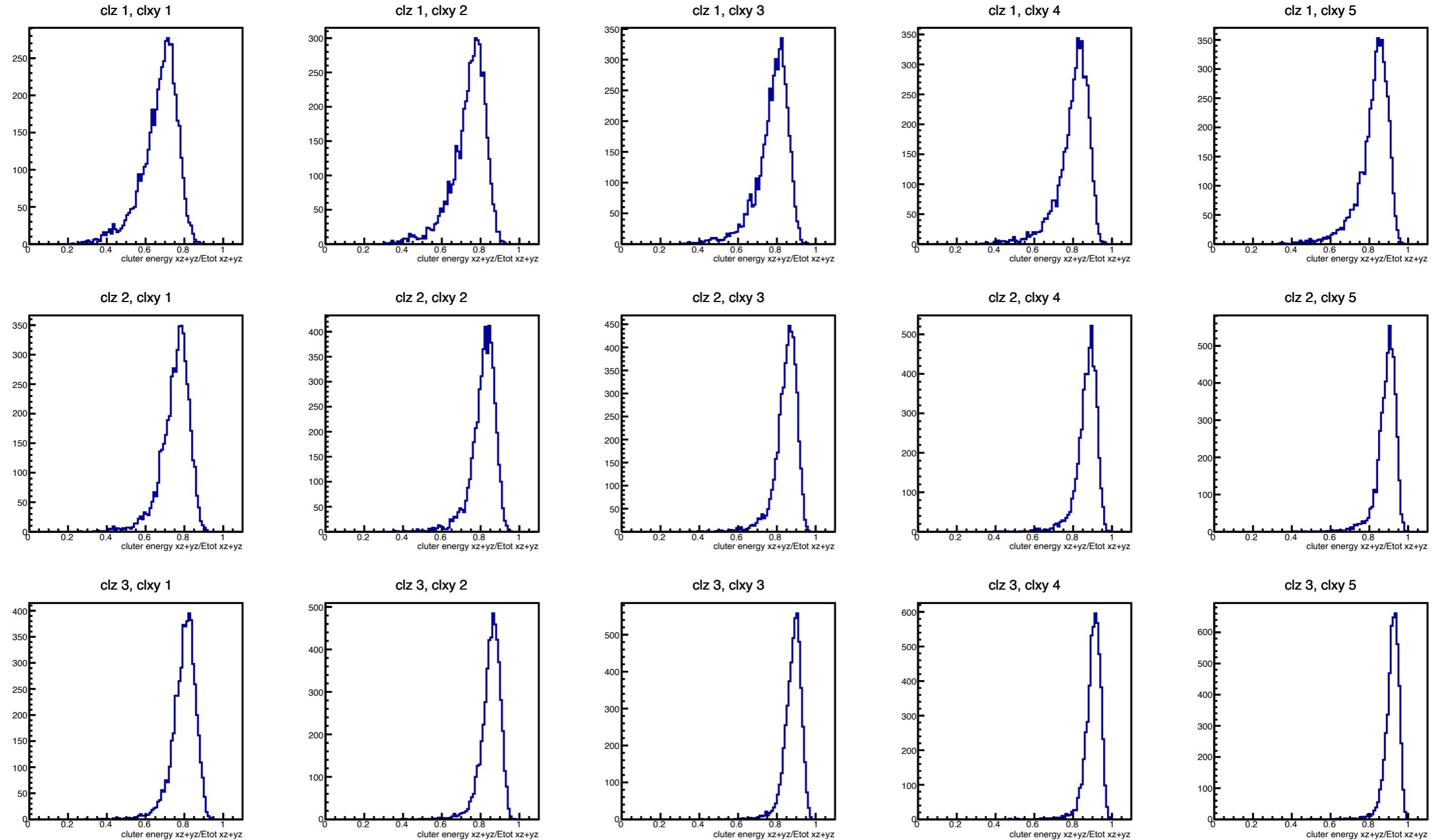
# Cluster Energy Ratio (xz + yz)

10 deg  $\theta$



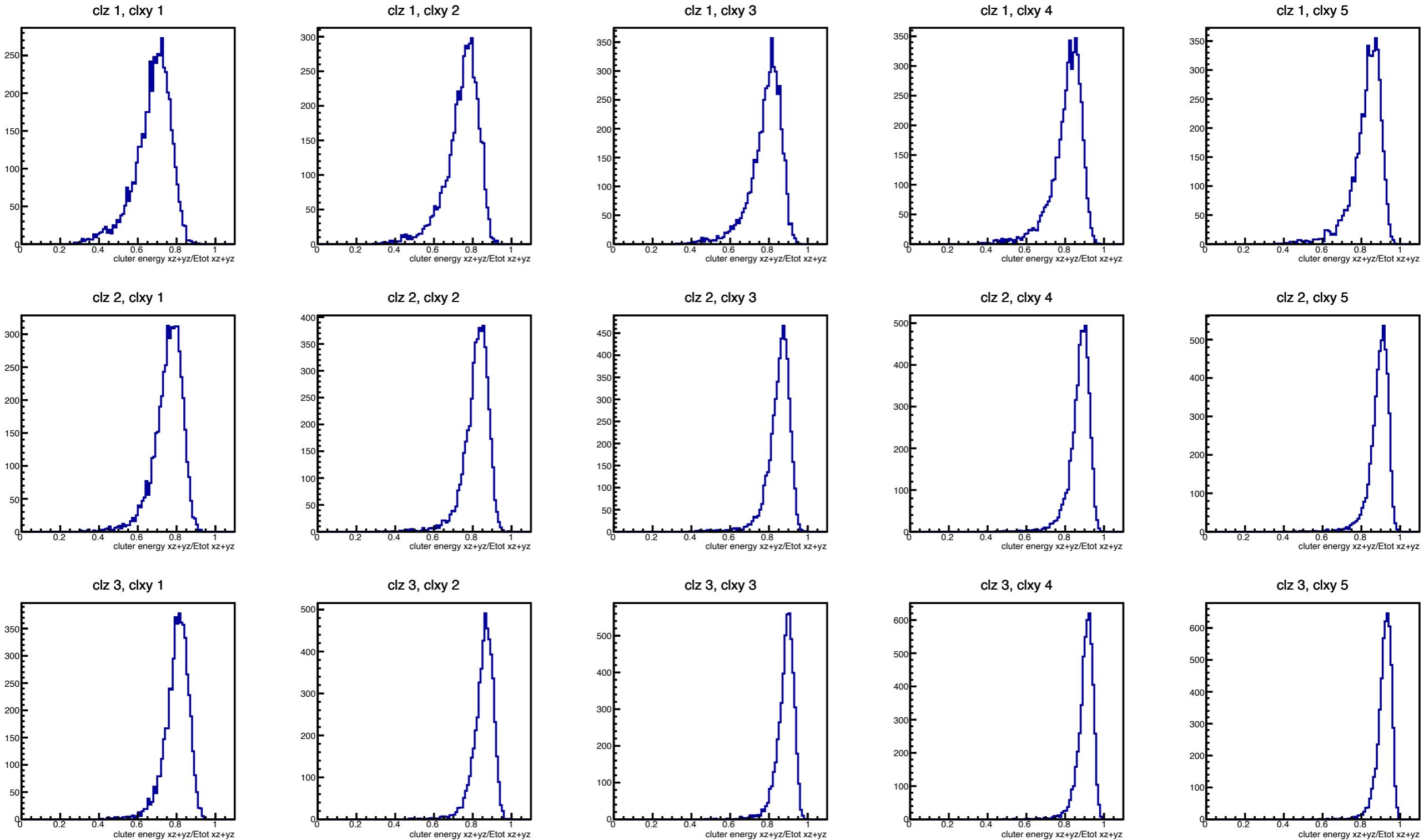
# Cluster Energy Ratio (xz + yz)

15 deg  $\theta$



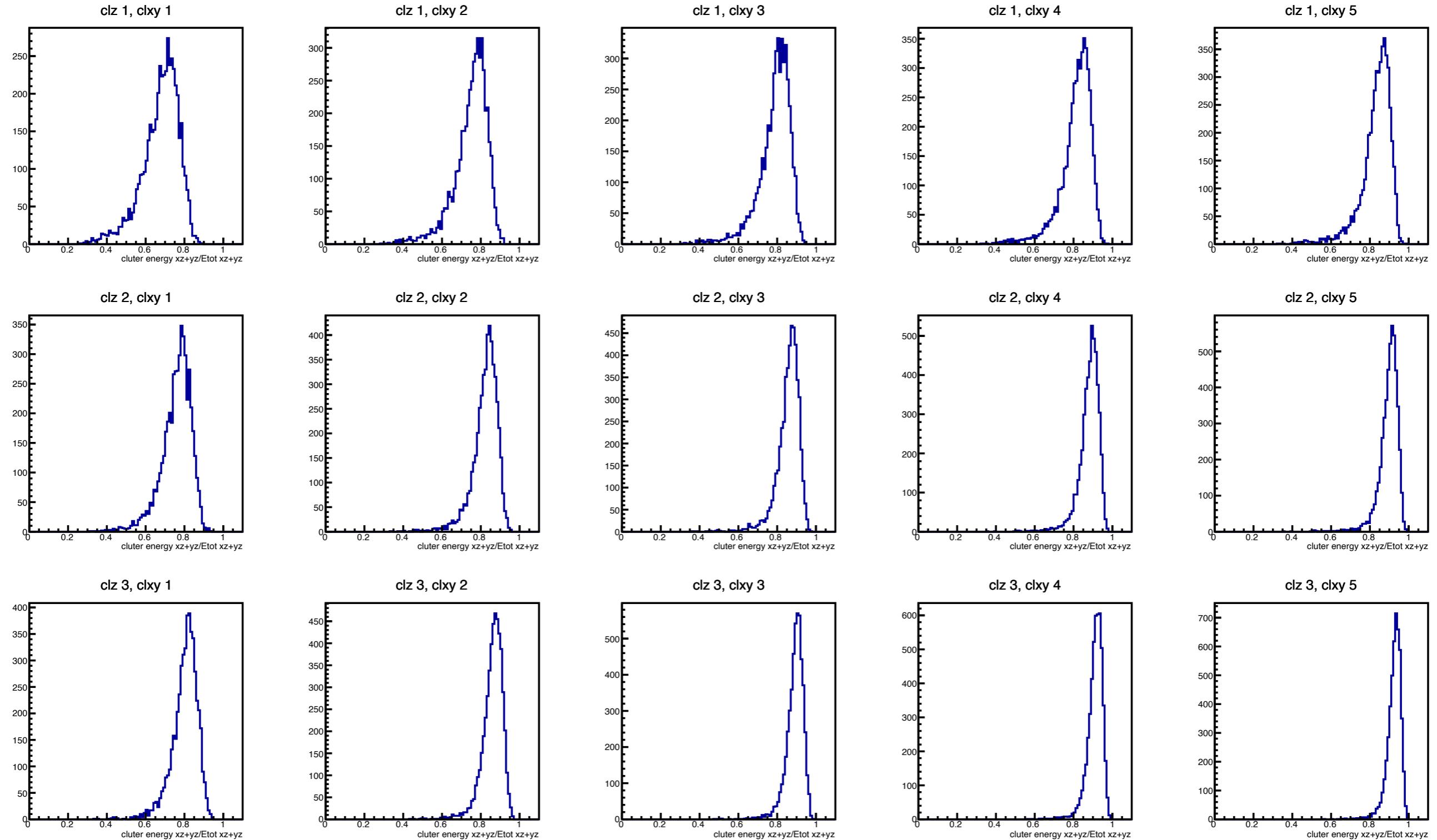
# Cluster Energy Ratio (xz + yz)

20 deg  $\theta$



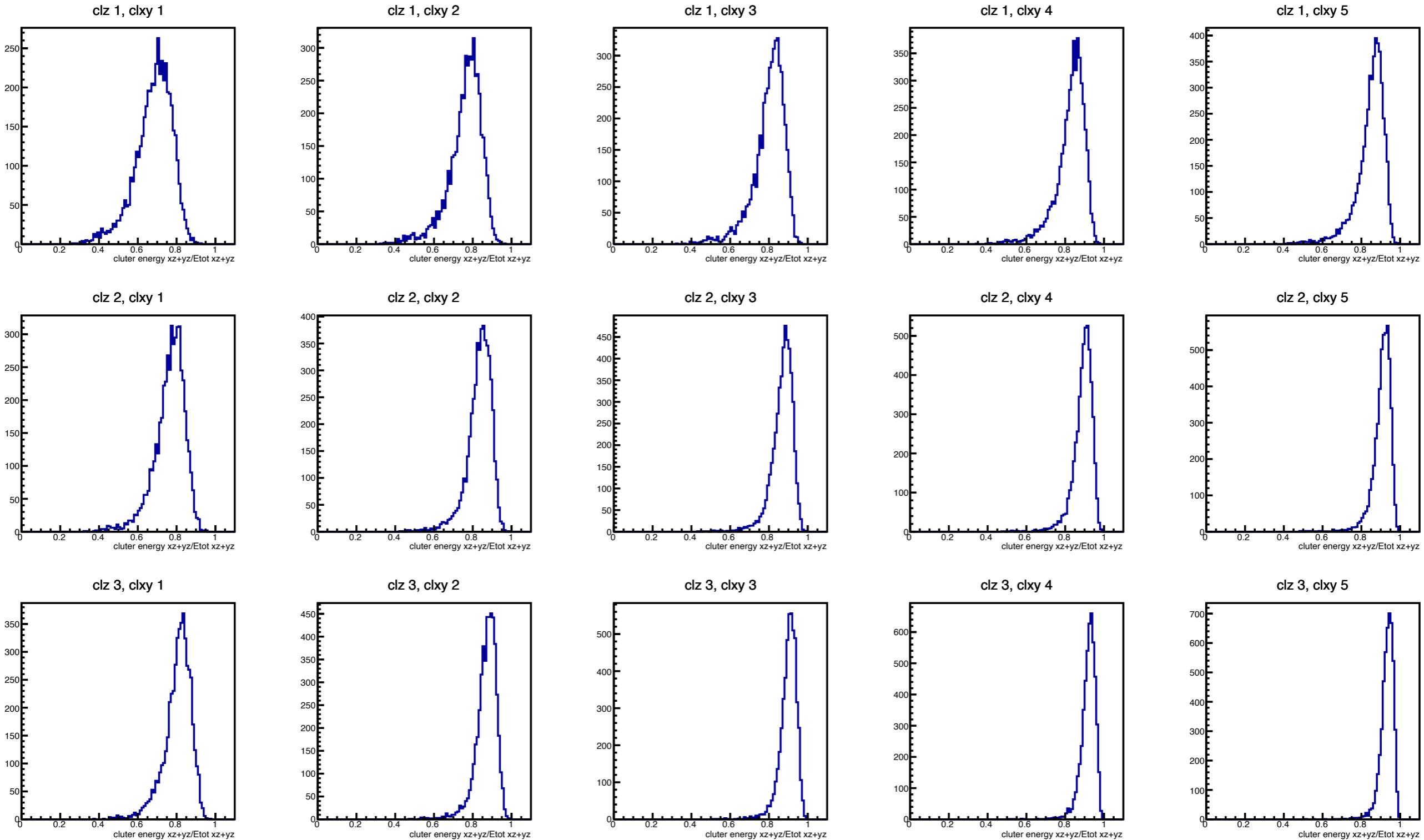
# Cluster Energy Ratio (xz + yz)

25 deg  $\theta$



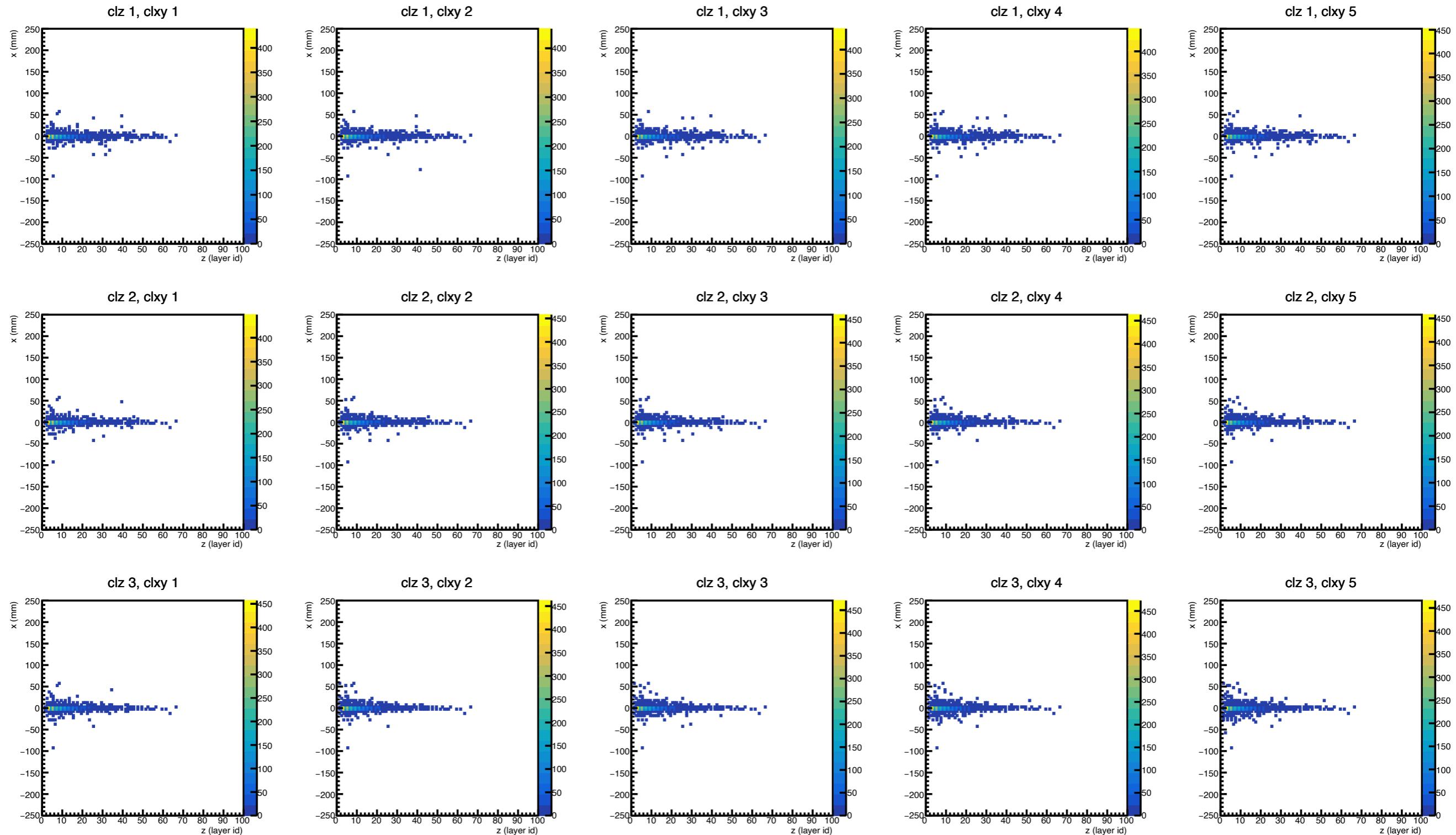
# Cluster Energy Ratio (xz + yz)

30 deg  $\theta$



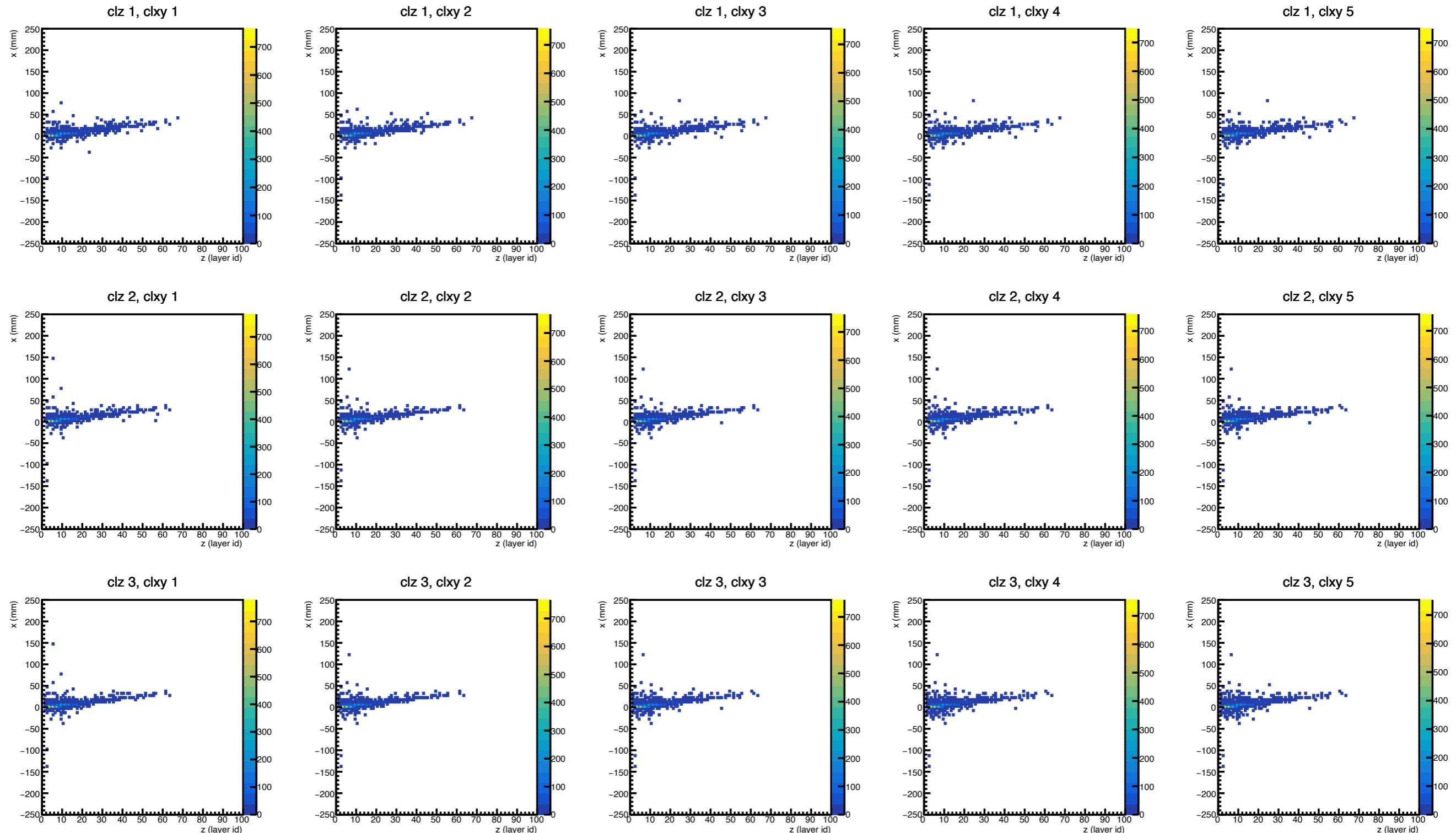
# X0, Z0 Estimation

0 deg  $\theta$



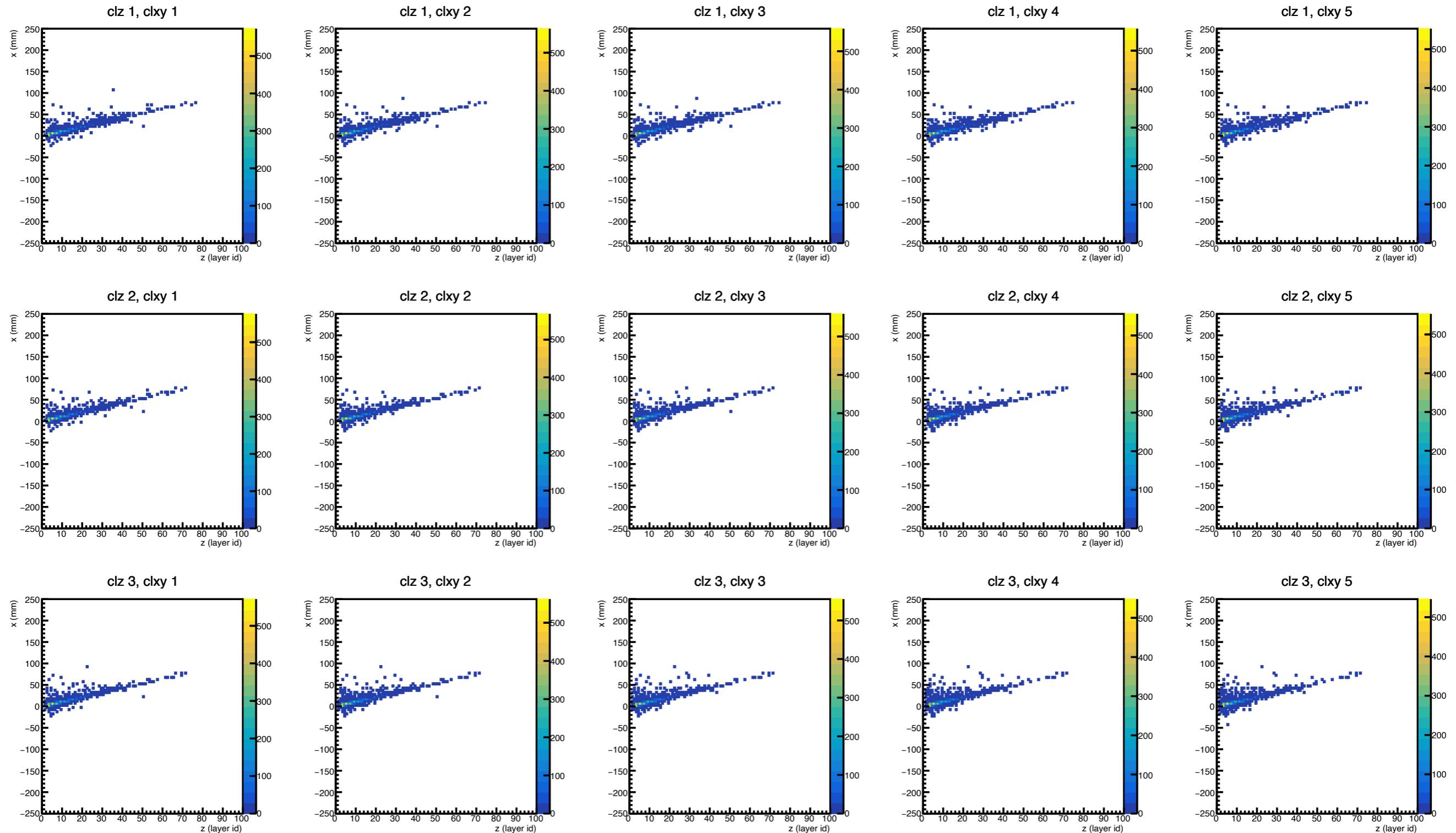
# X0, Z0 Estimation

5 deg  $\theta$



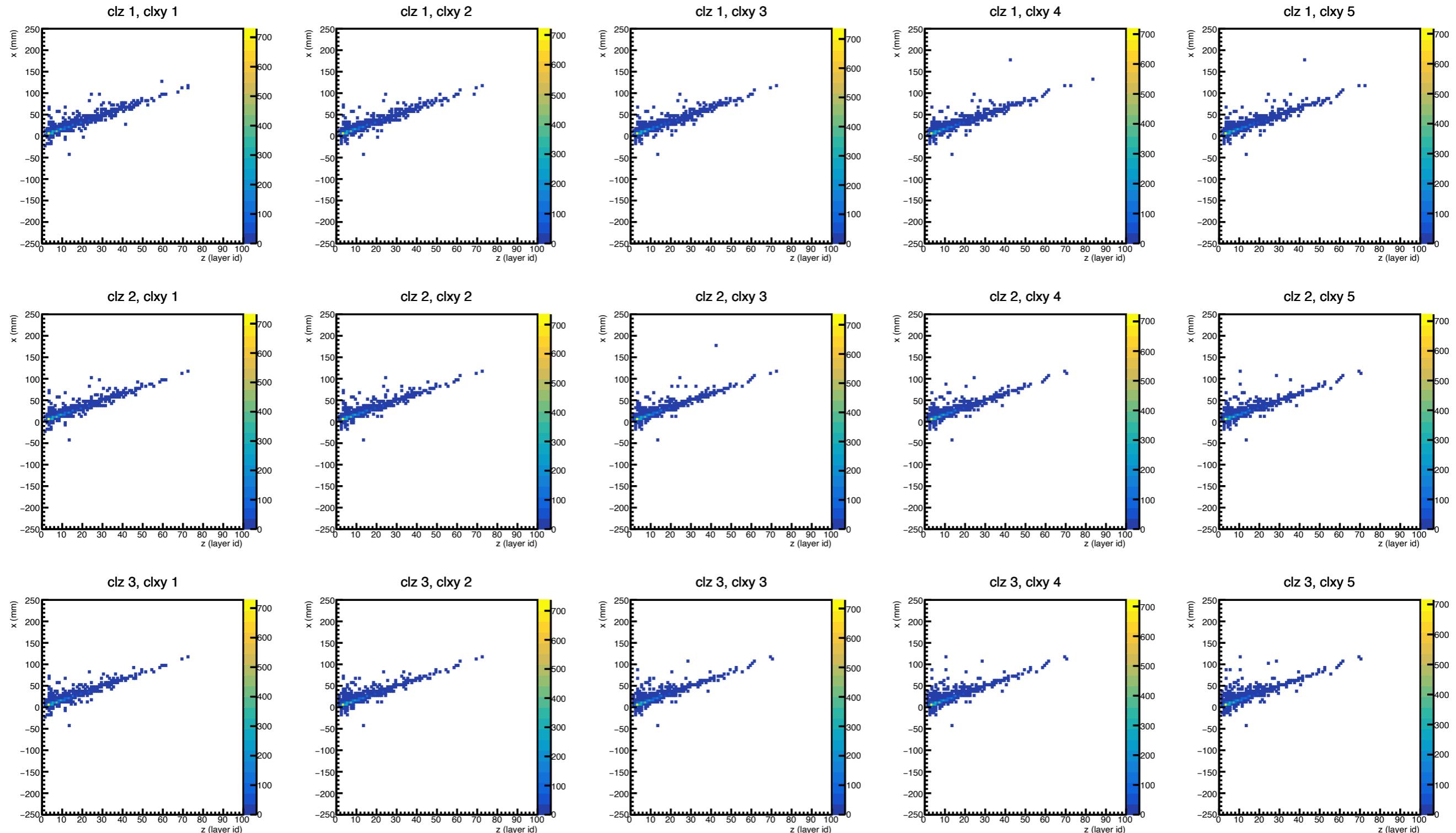
# X0, Z0 Estimation

10 deg  $\theta$



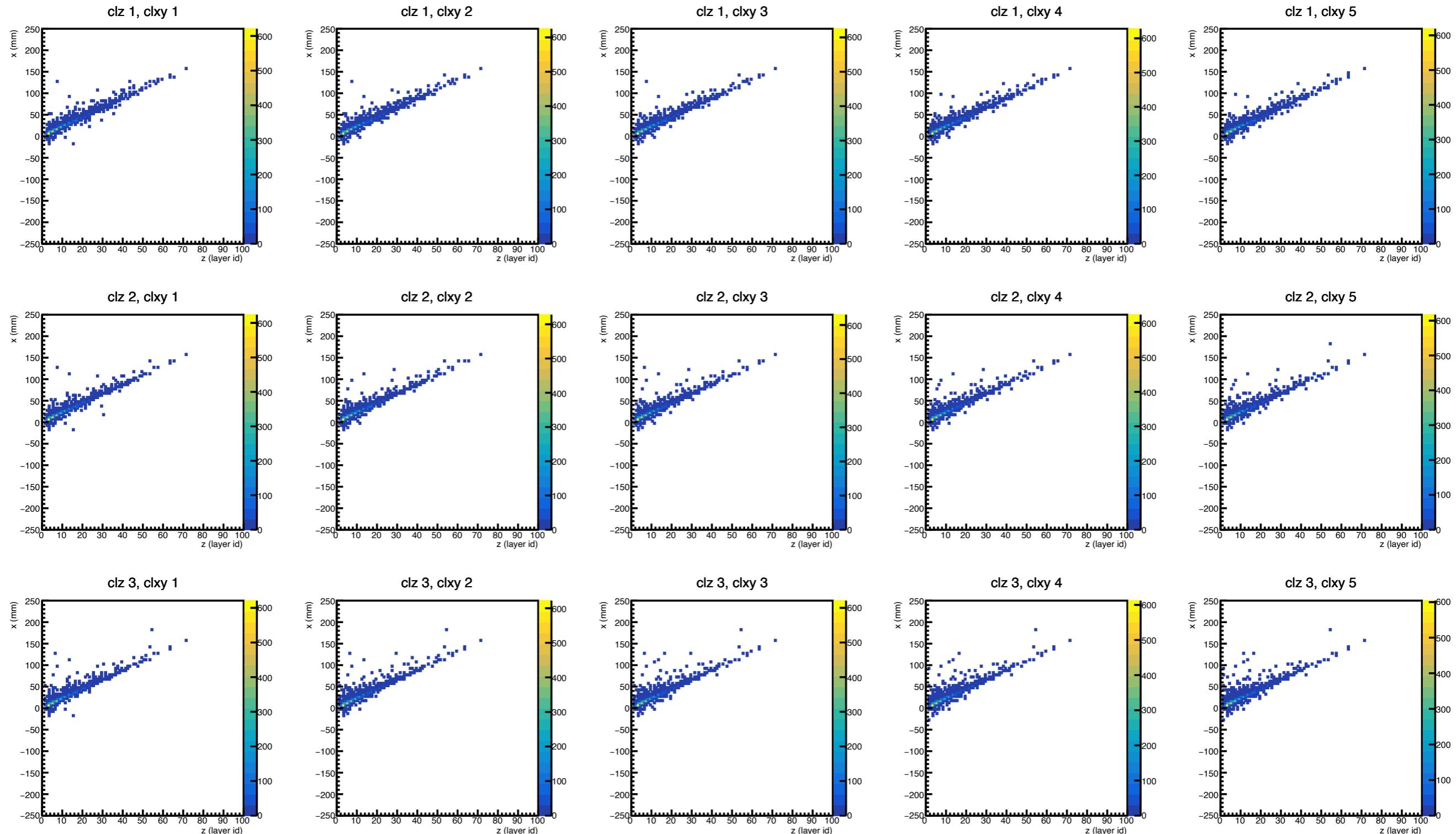
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15 deg  $\theta$



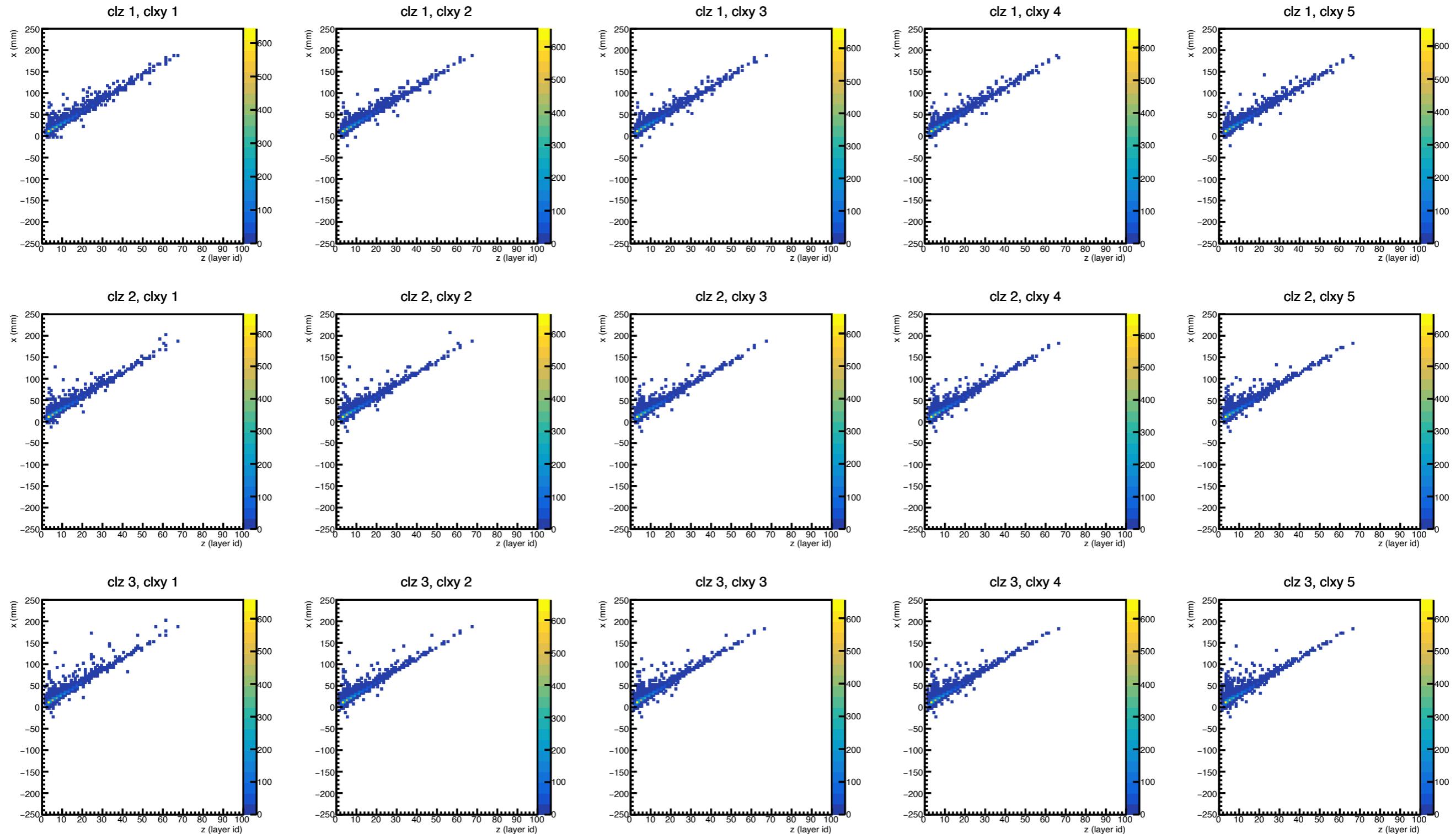
# X0, Z0 Estimation

20 deg  $\theta$



# X0, Z0 Estimation

25 deg  $\theta$



# X0, Z0 Estimation

30 deg  $\theta$

