# Compare the positon

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## 4 position





Primary particle first hit on CEMC Shower center with energy weight



cluster positon reco with geom center cluster positon reco with innerface center

#### Compare the pos

double distance\_R = sqrt(delta\_x\*delta\_x+delta\_y\*delta\_y);





The final strange rise comes from the insufficient amount of data.

- Using the inner face center to reconstruct the cluster position gives the best results now
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### where the large R from?



#### X-Y plane display



1% ~3% electron

Donnot it interact immediately arrive the CEMC?

### Plan

- better calo pos?
- Pico dst?
- other anything?
- which one is more important now?