

Fun4All Calorimeter Plots

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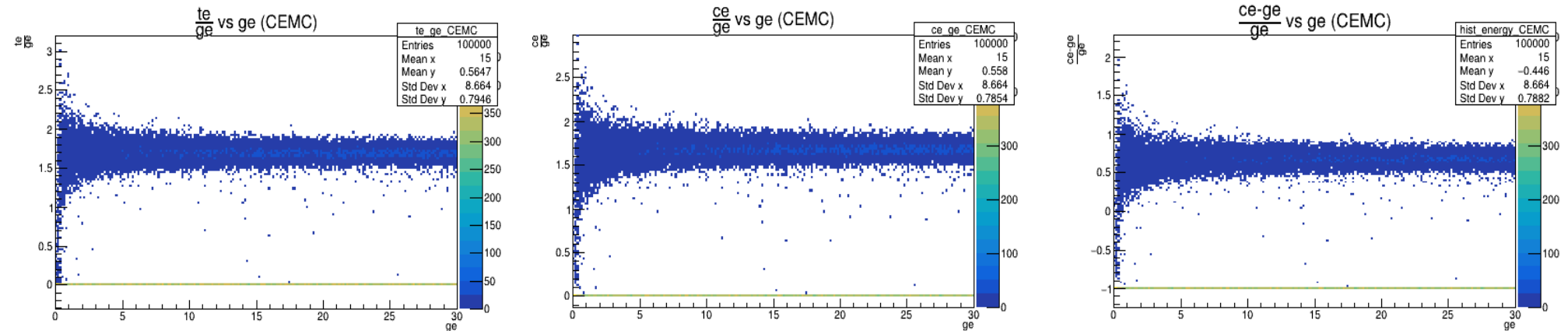
Details:

- Particle: e-, pi- , K-
- Statistics: 100000
- ge and gp range: 0-30 GeV
- geta range: -4 to 4
- **NO ENERGY CUT (only geta cuts employed)**
- **Photon digitization: turned off**

Energy conservation in CEMC

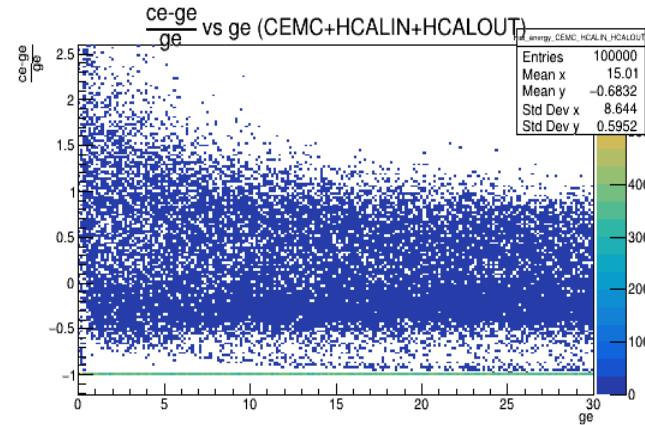
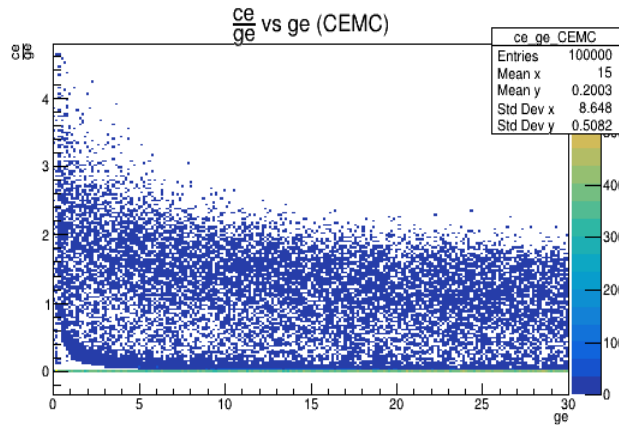
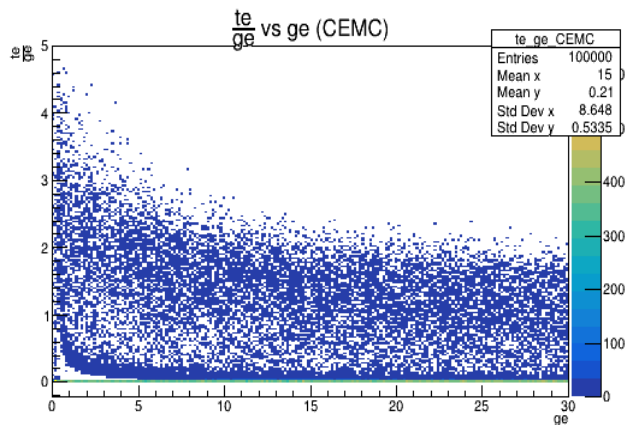
- Towers and clusters ratios go upto 2 (should be 1).
- $\Delta E/E$ plot also centered at 1 rather than 0.
- Other calorimeters are coming fine.

Electron

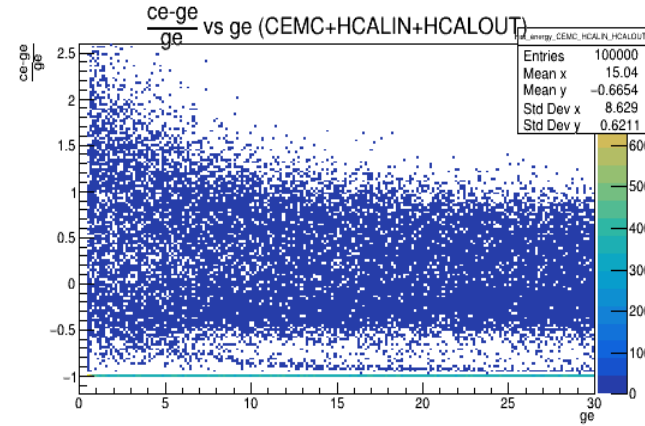
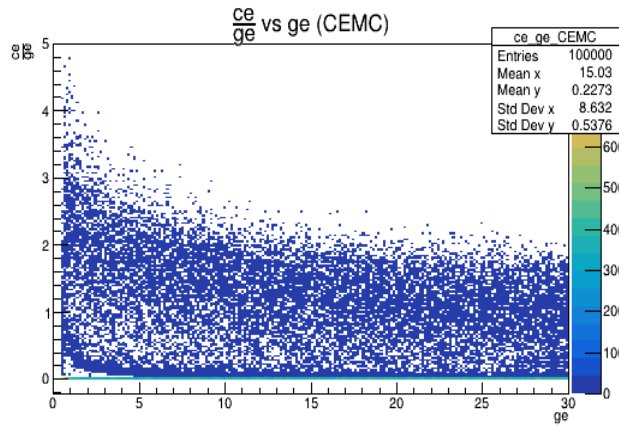
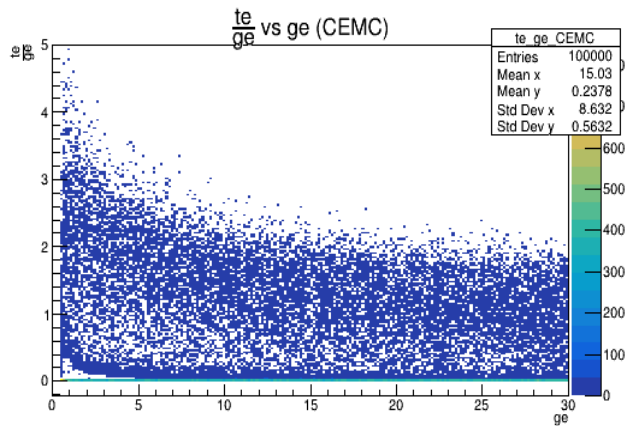


Energy conservation in CEMC

Pion

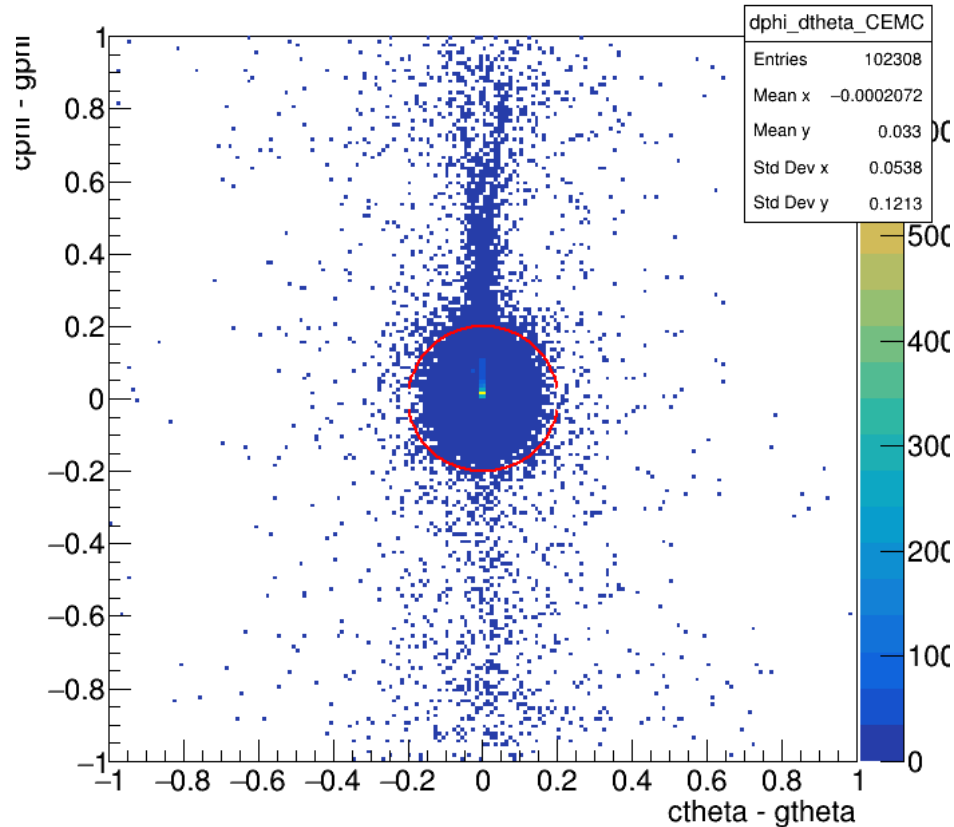


Kaon

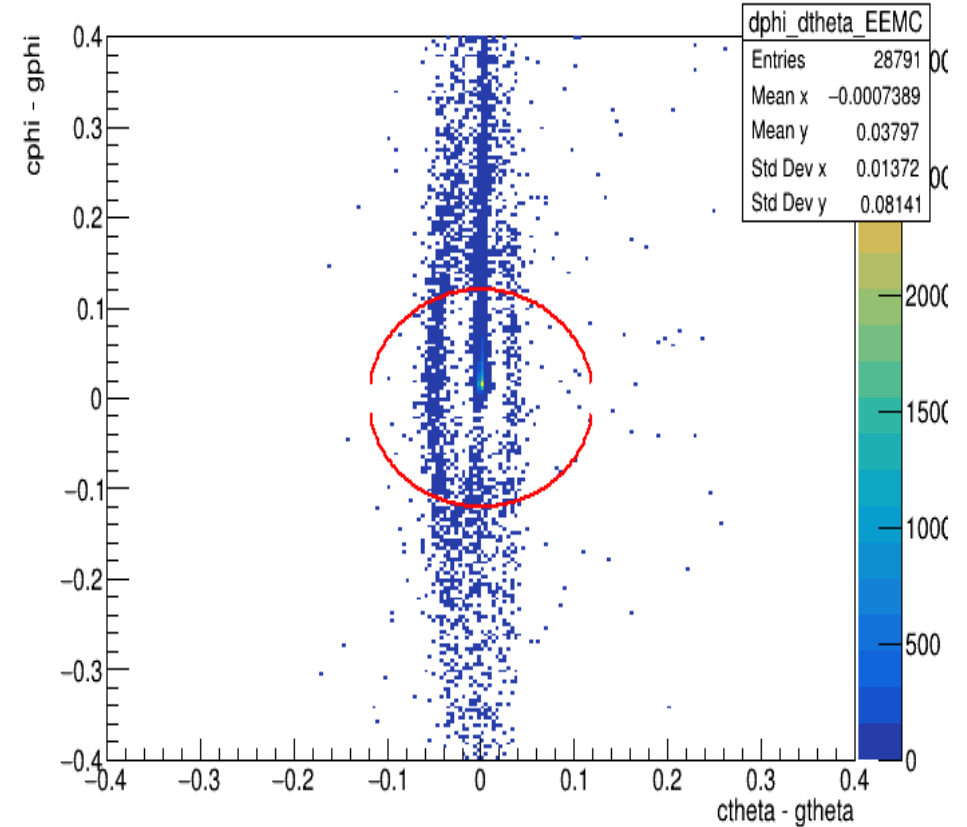


dtheta vs dphi plots - Electron

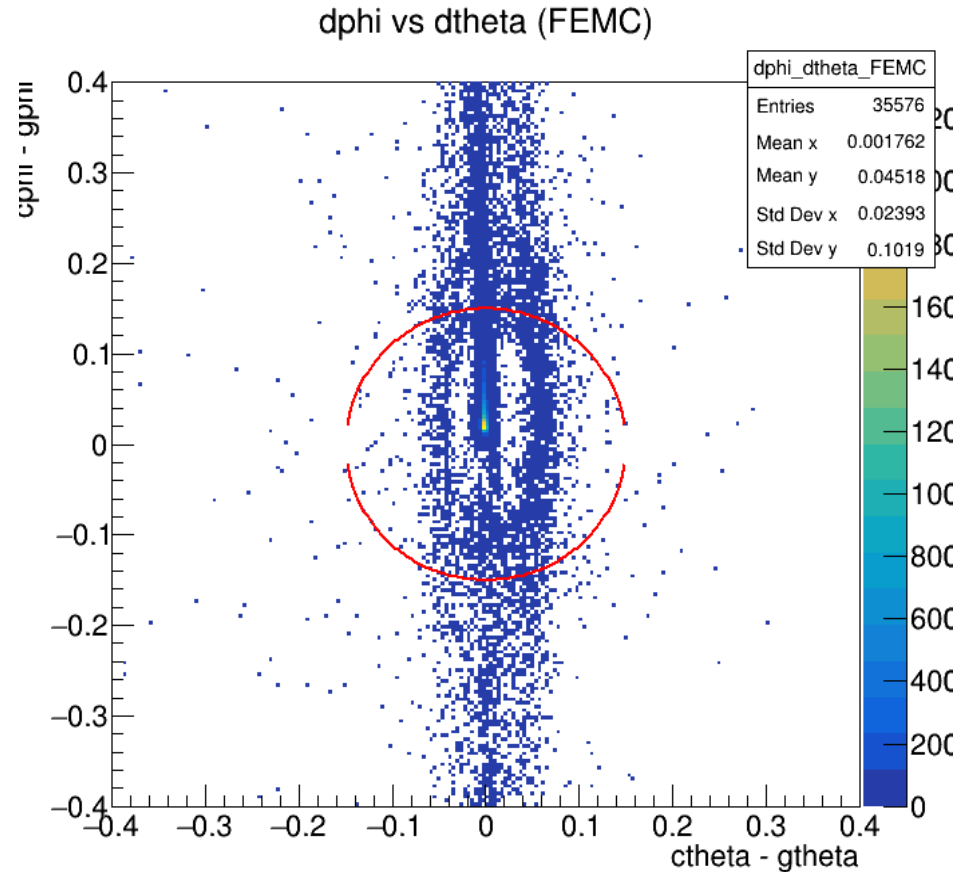
dphi vs dtheta (CEMC)



dphi vs dtheta (EEMC)

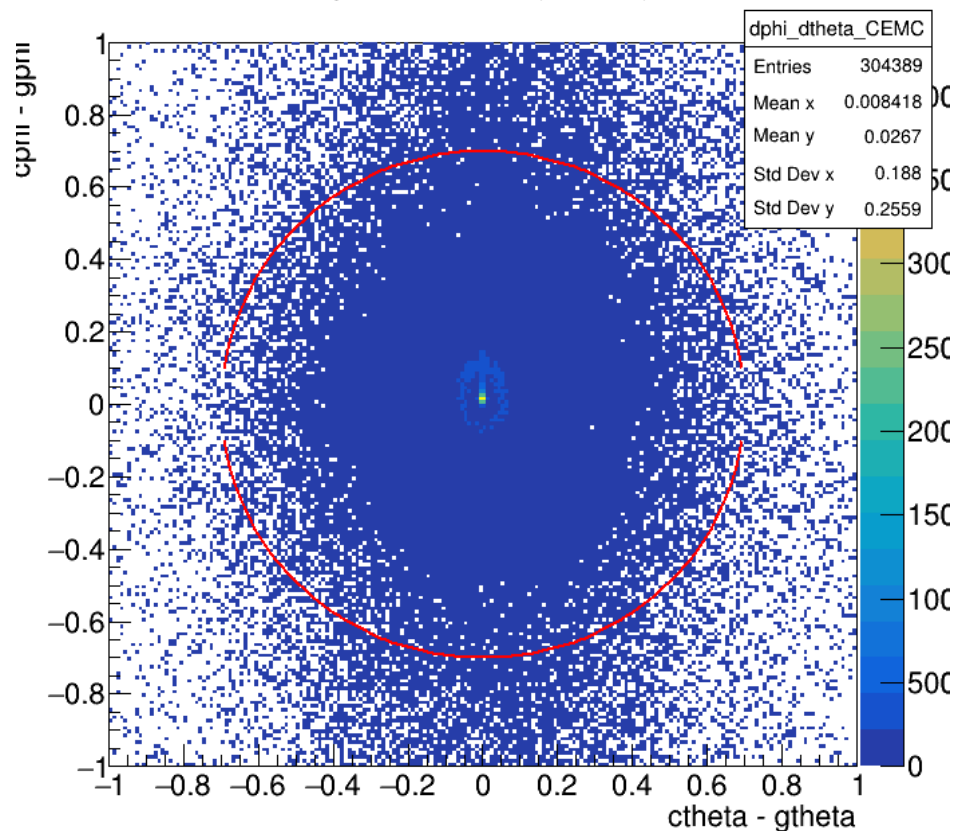


dtheta vs dphi plots - Electron

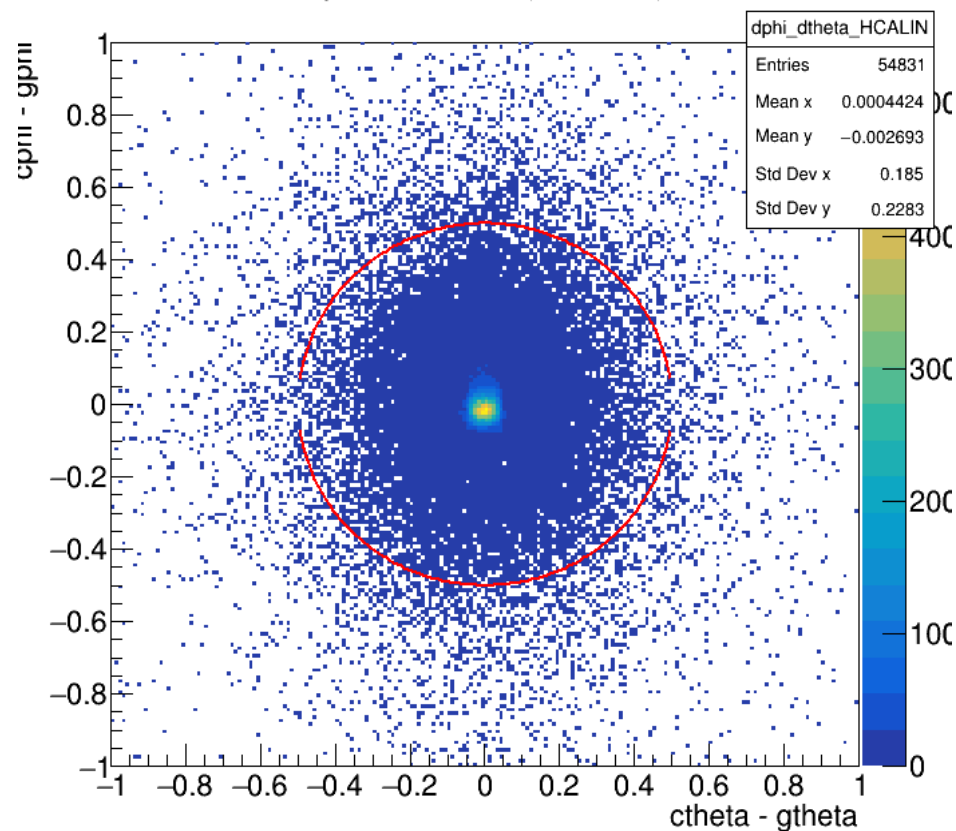


dtheta vs dphi plots - Pion

dphi vs dtheta (CEMC)

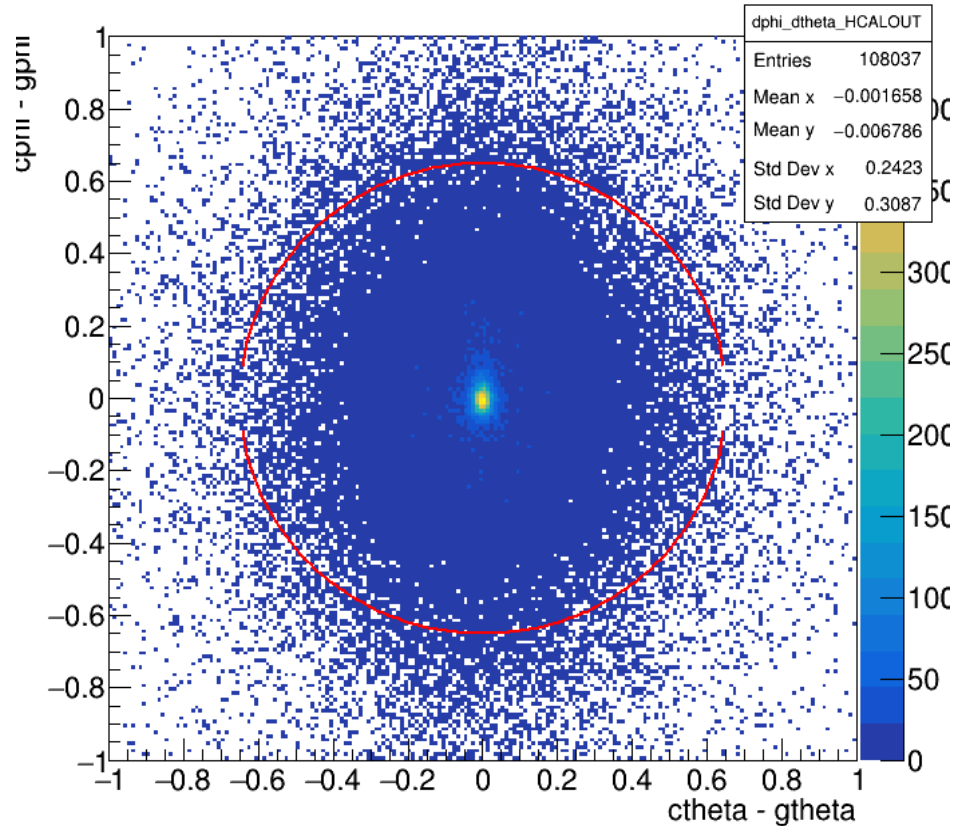


dphi vs dtheta (HCALIN)

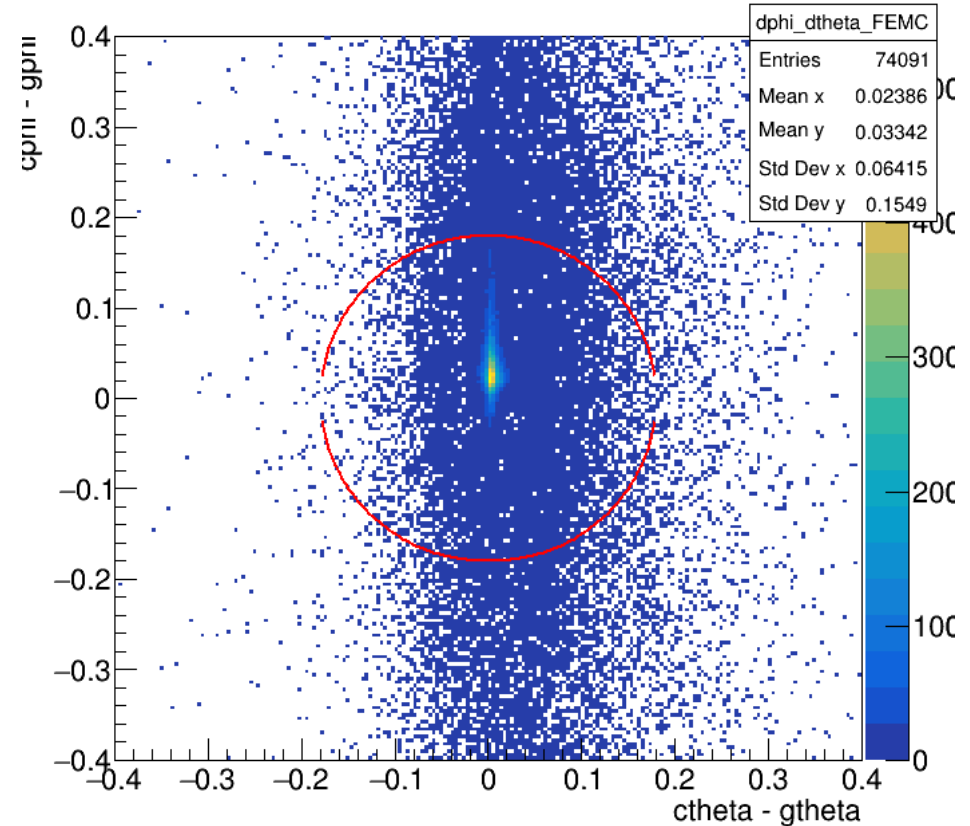


dtheta vs dphi plots - Pion

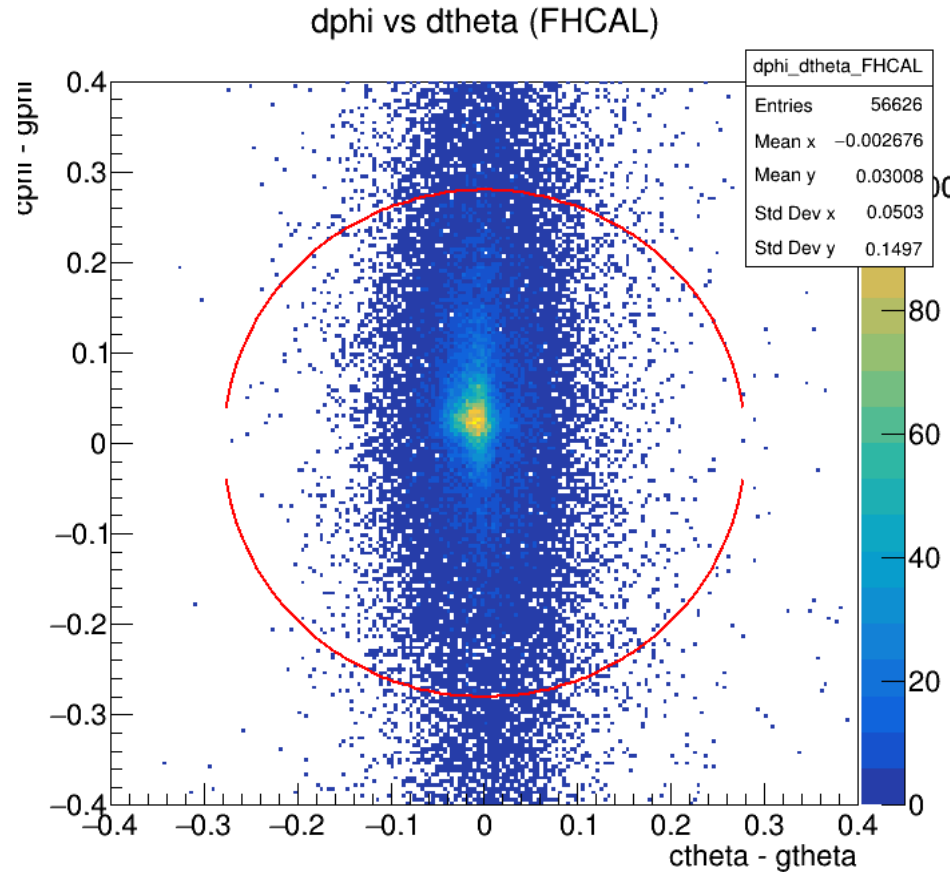
dphi vs dtheta (HCALOUT)



dphi vs dtheta (FEMC)

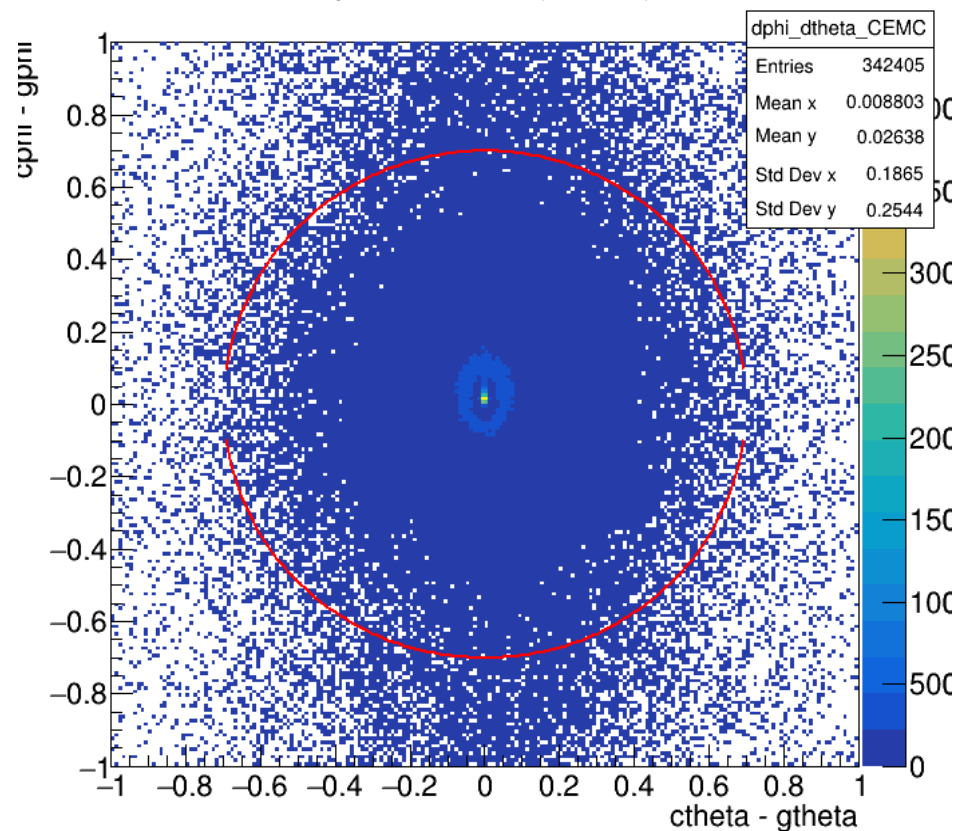


dtheta vs dphi plots - Pion

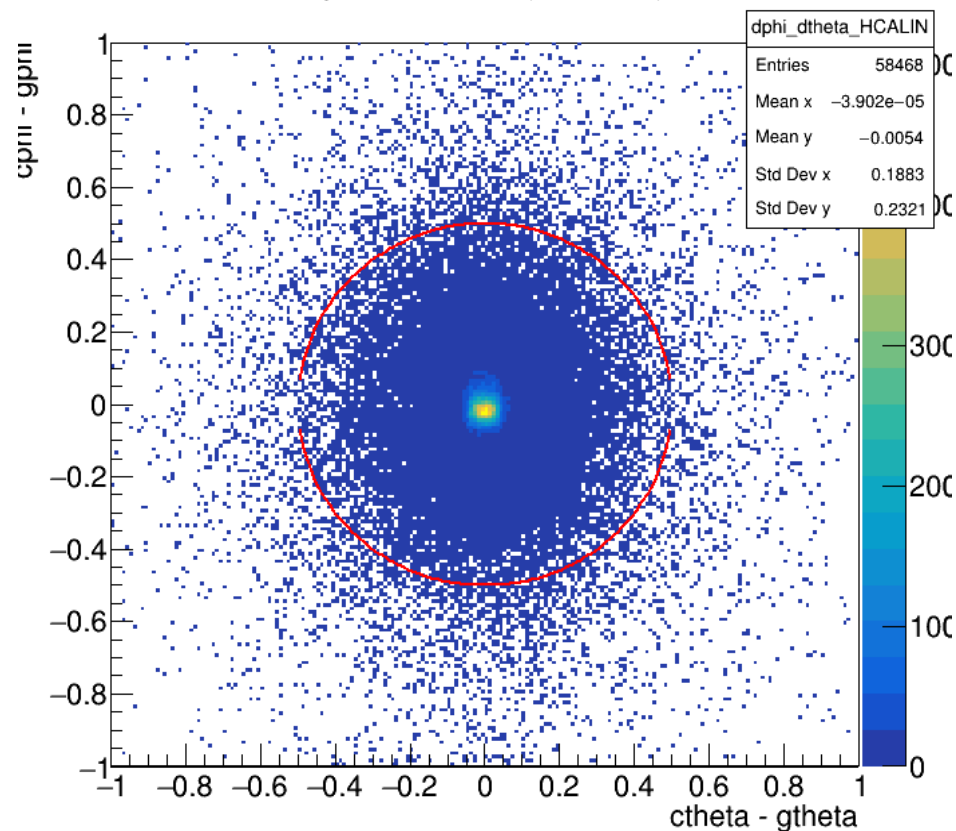


dtheta vs dphi plots - Kaon

dphi vs dtheta (CEMC)

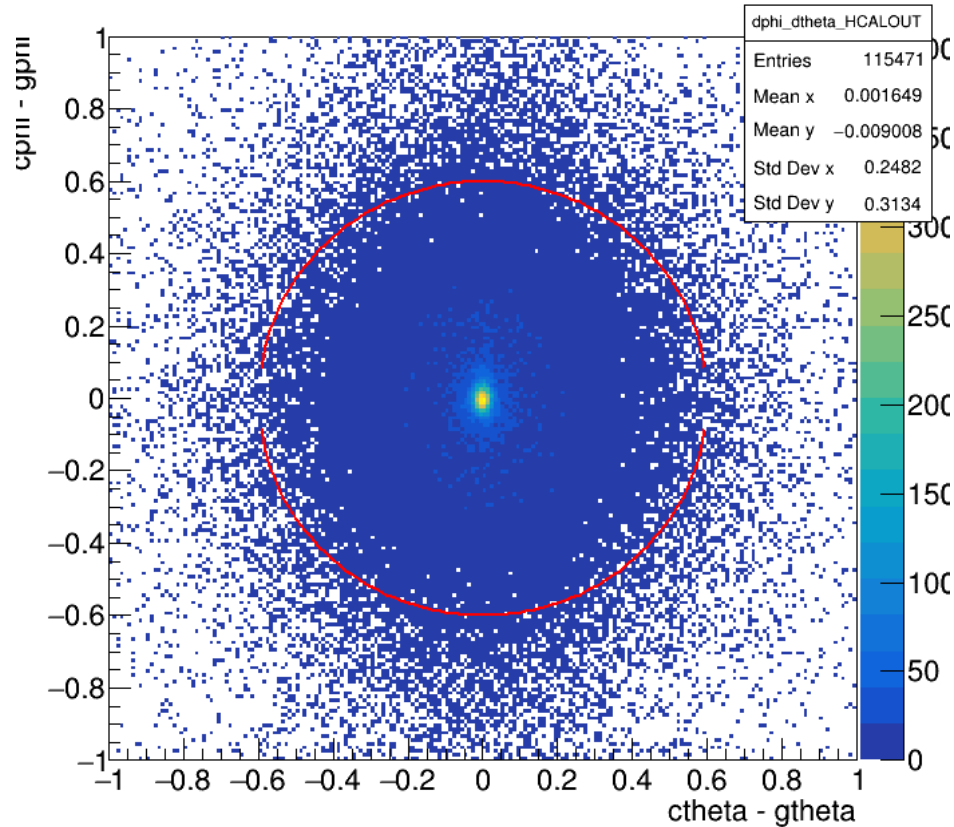


dphi vs dtheta (HCALIN)

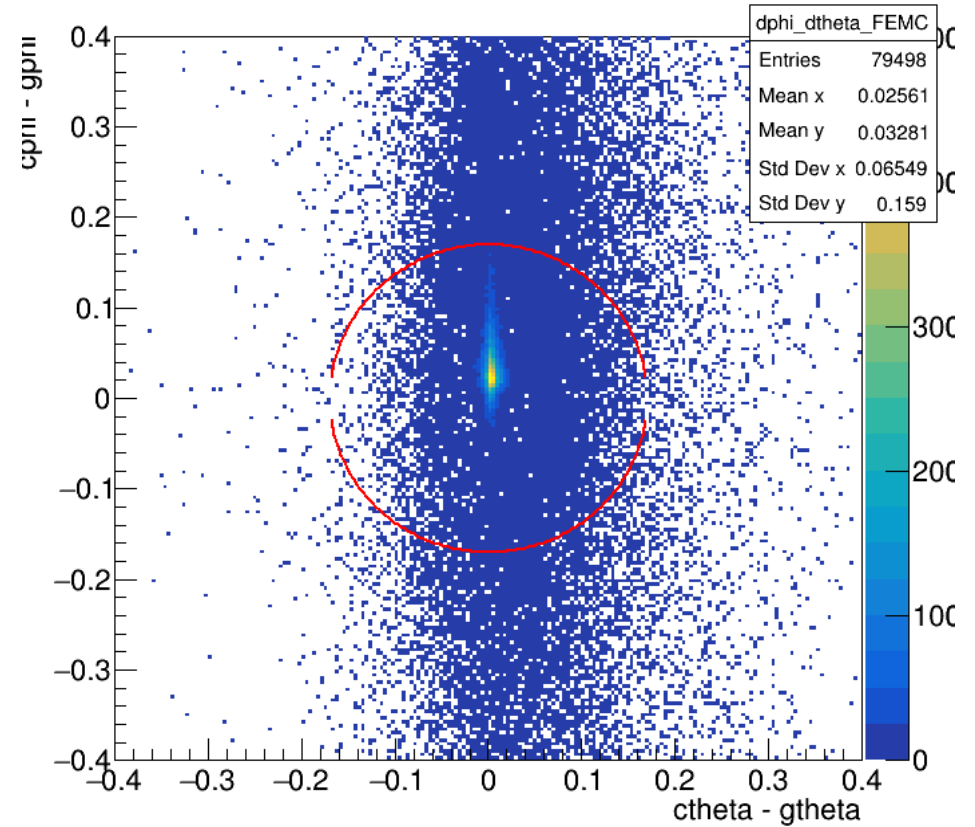


dtheta vs dphi plots - Kaon

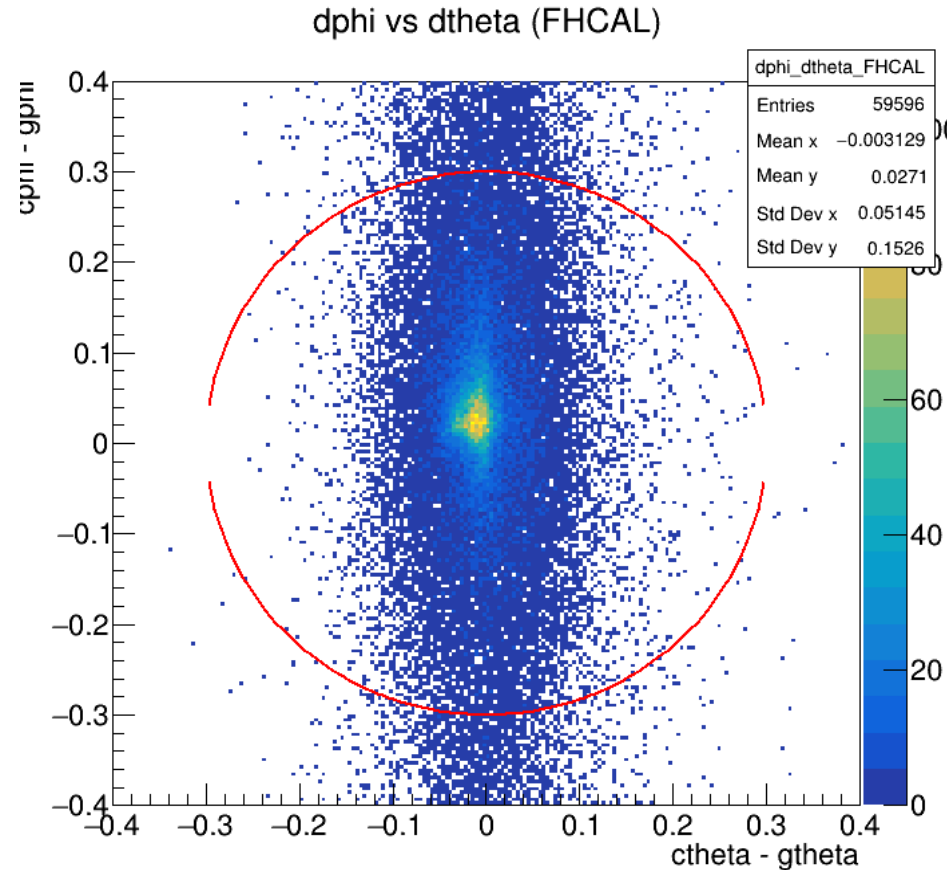
dphi vs dtheta (HCALOUT)



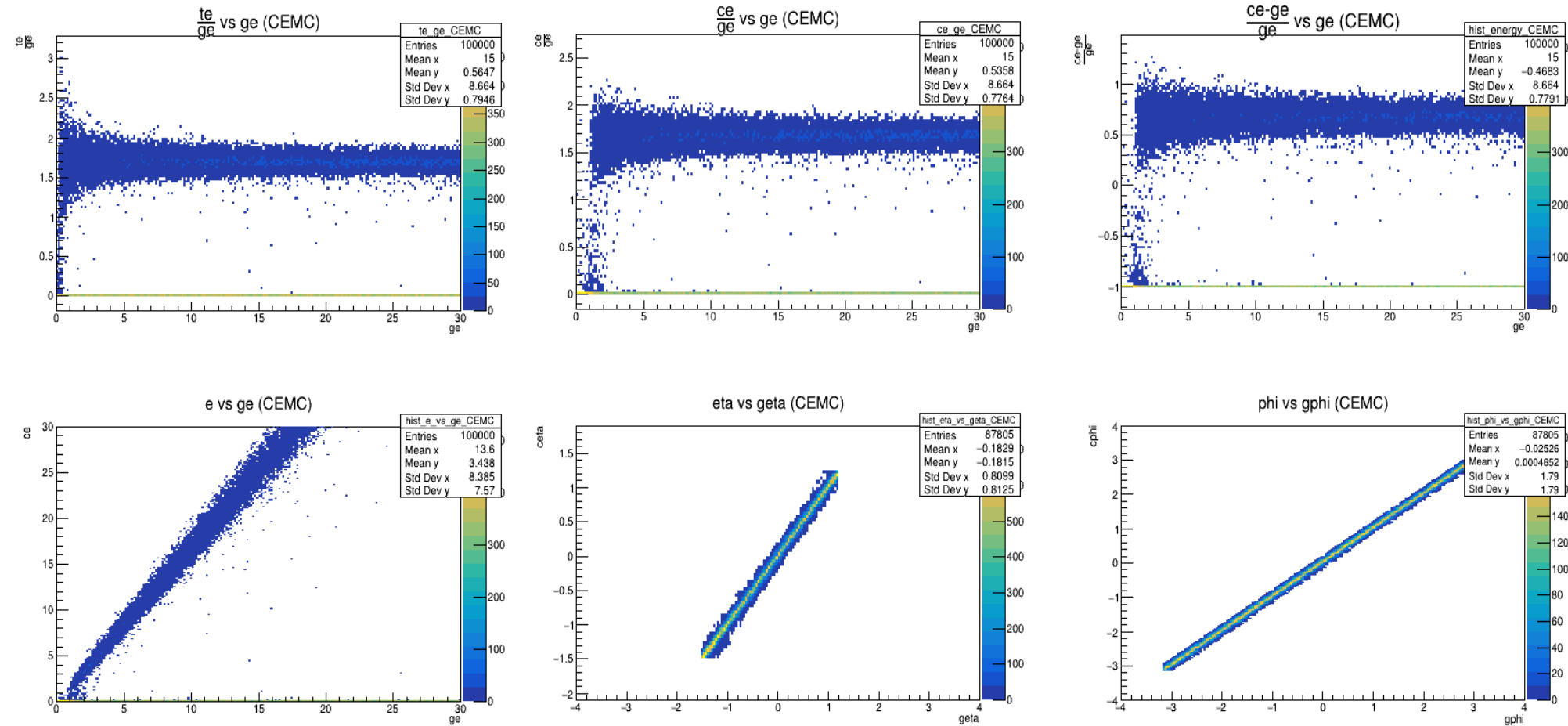
dphi vs dtheta (FEMC)



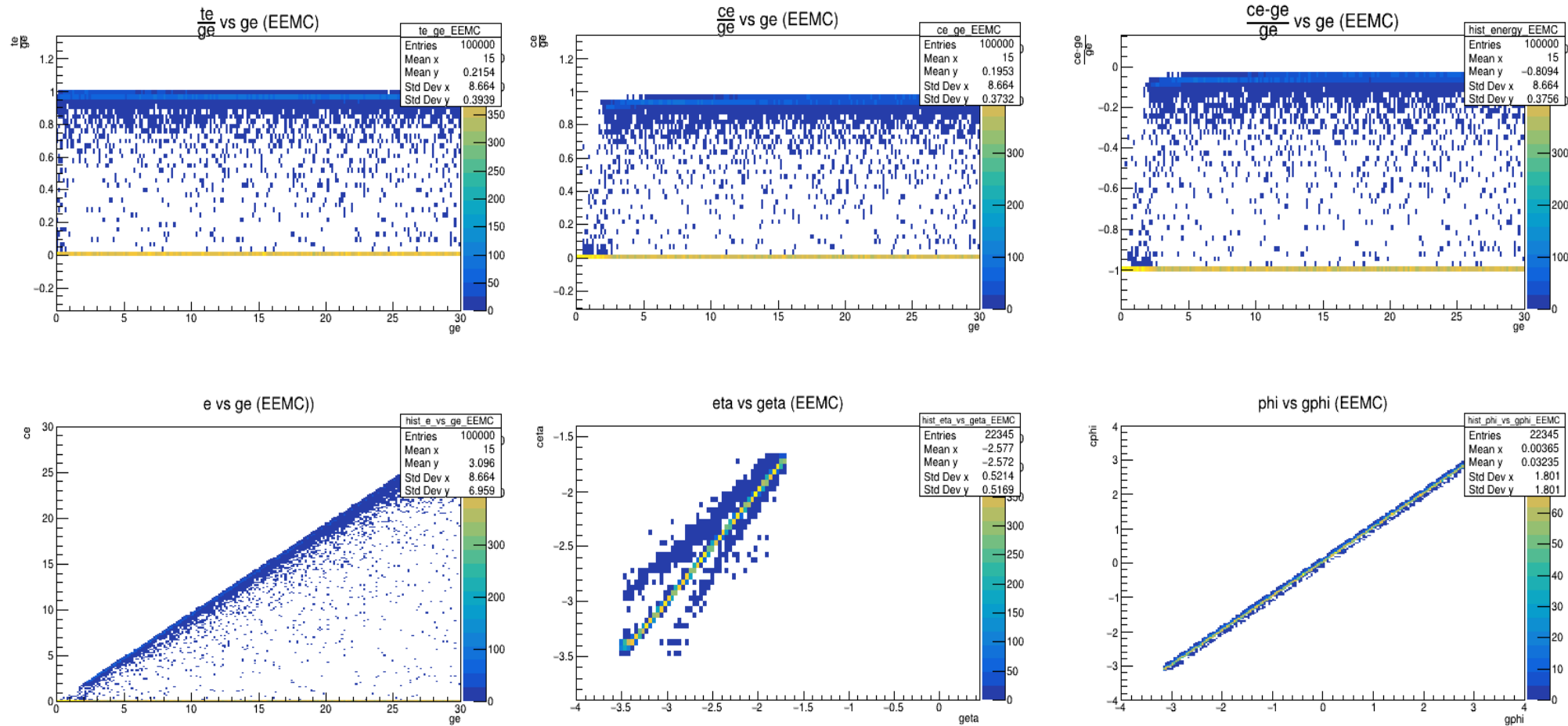
dtheta vs dphi plots - Kaon



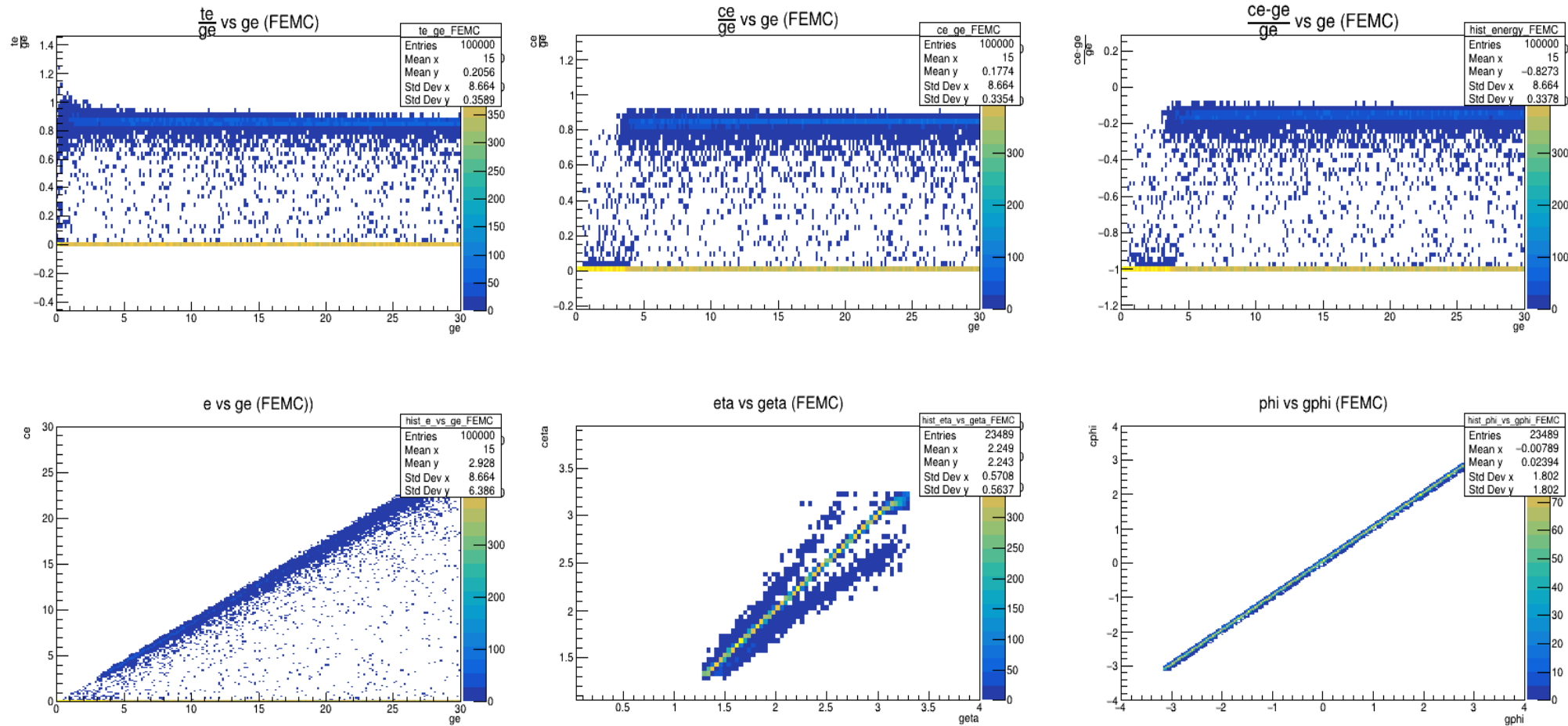
Electron - CEMC



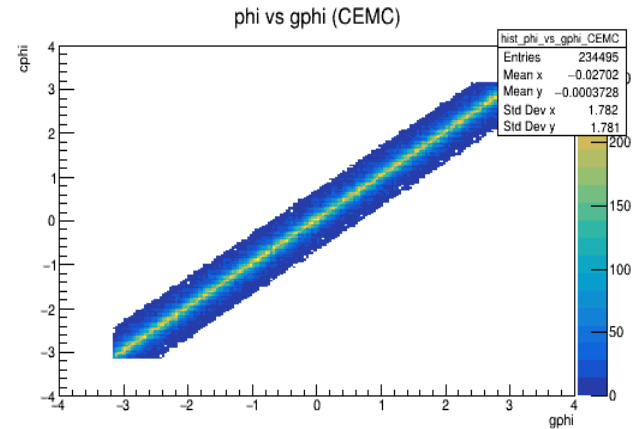
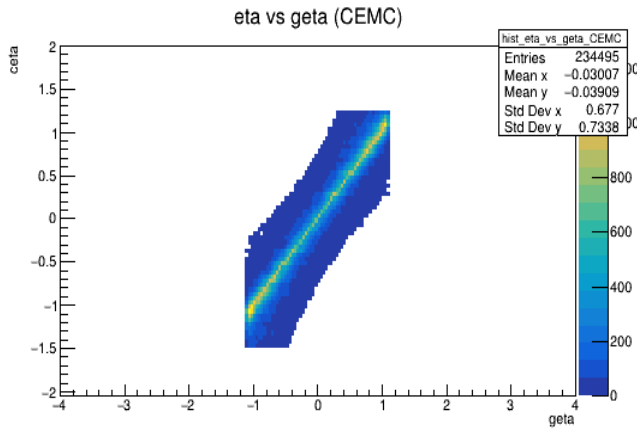
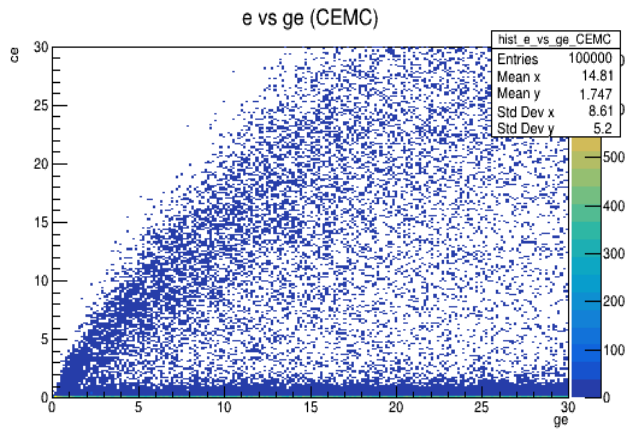
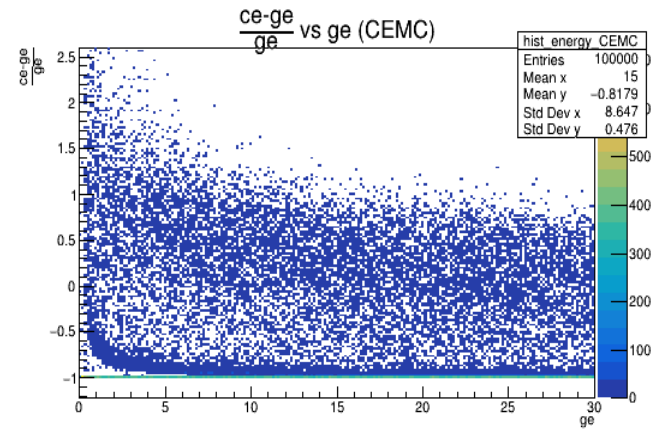
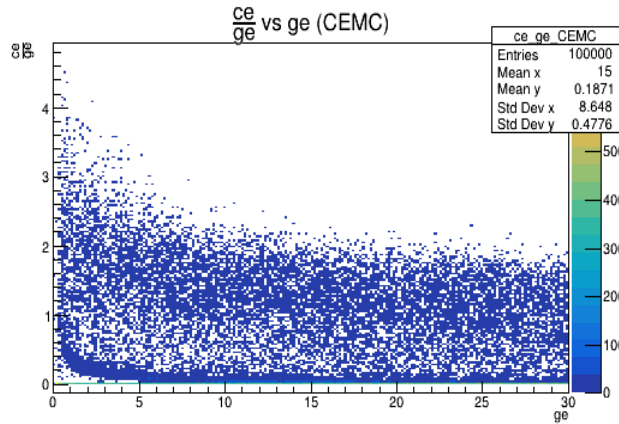
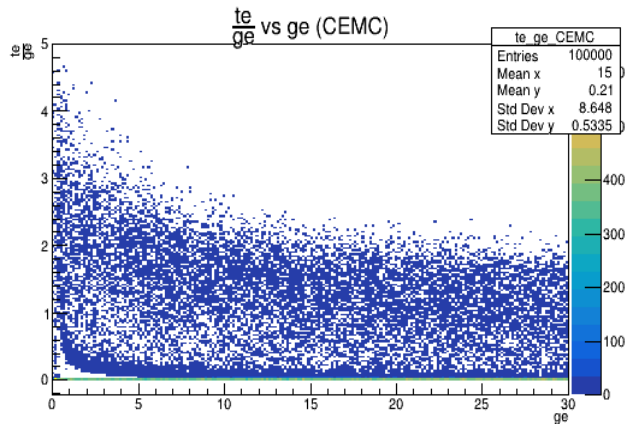
Electron - EEMC



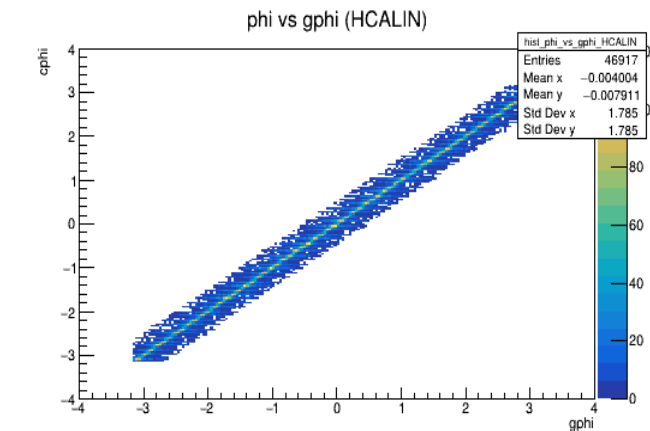
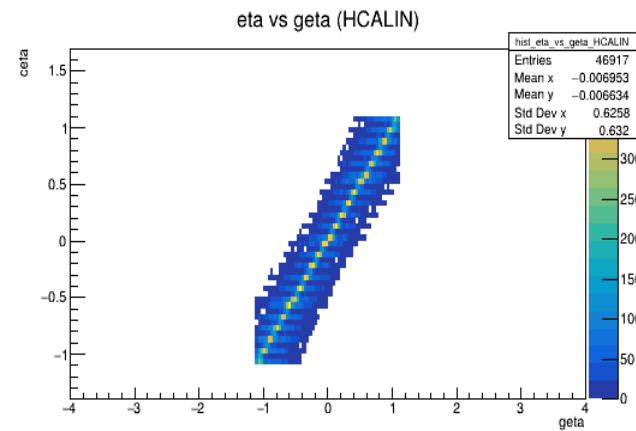
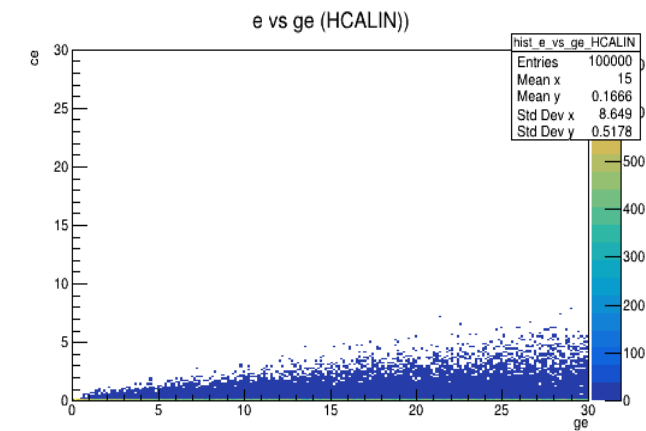
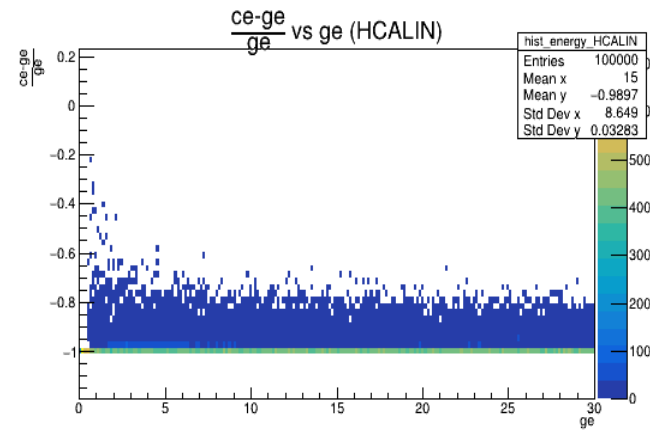
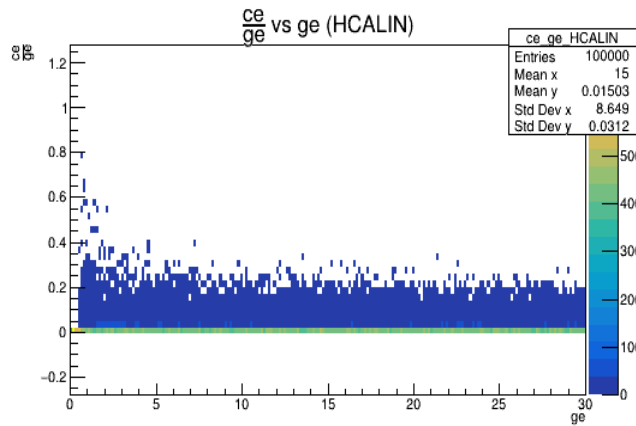
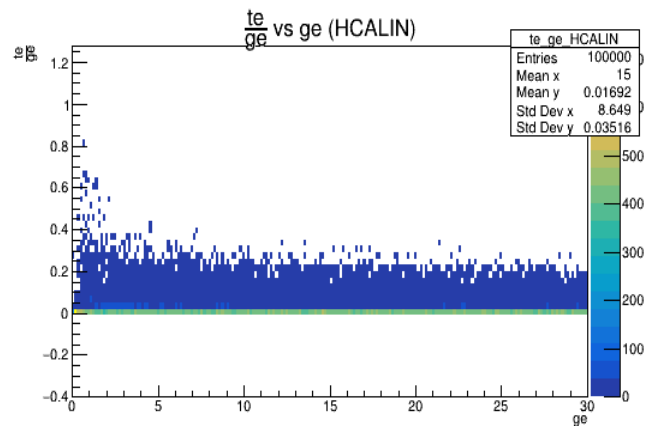
Electron - FEMC



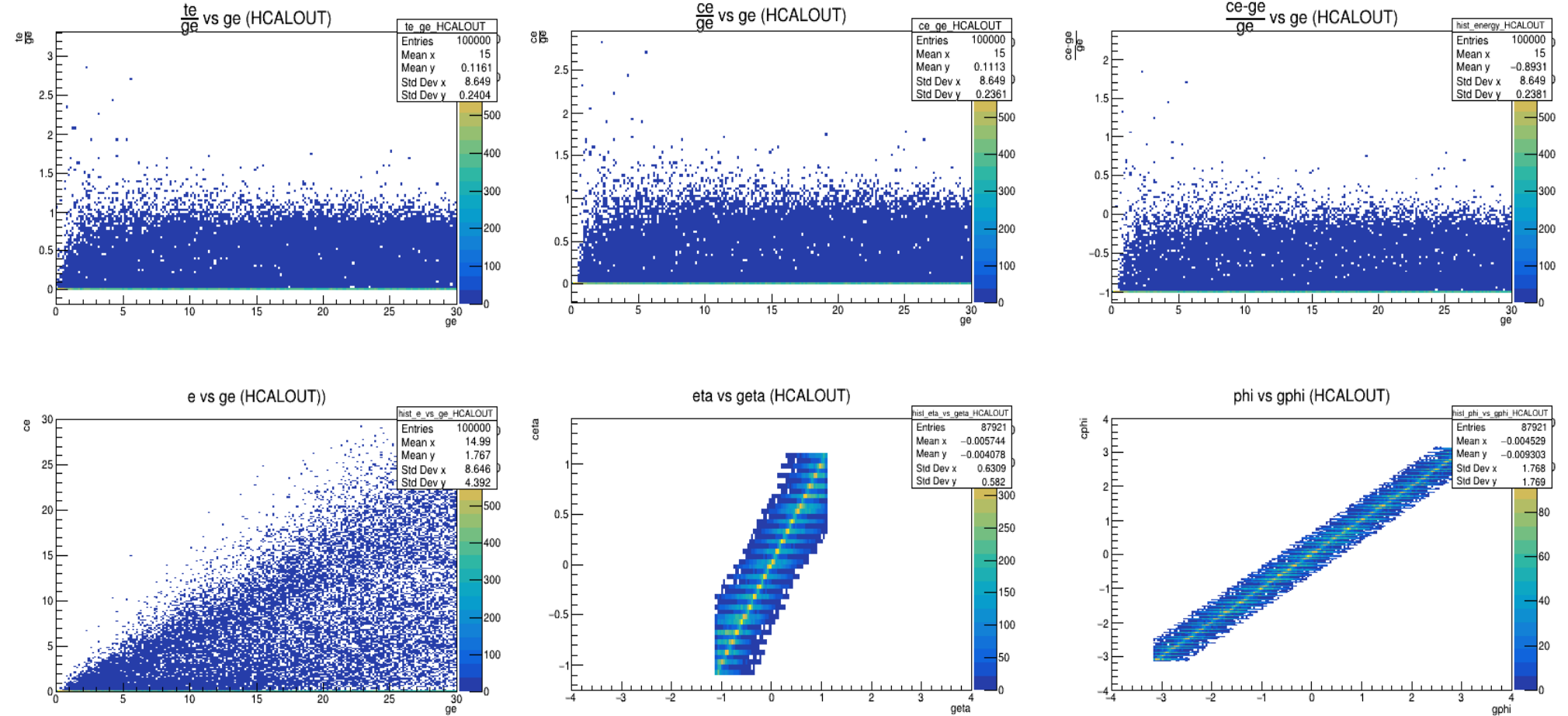
Pion - CEMC



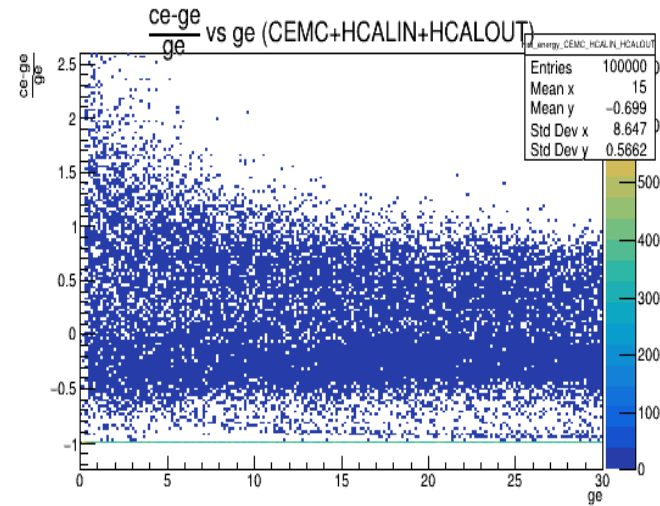
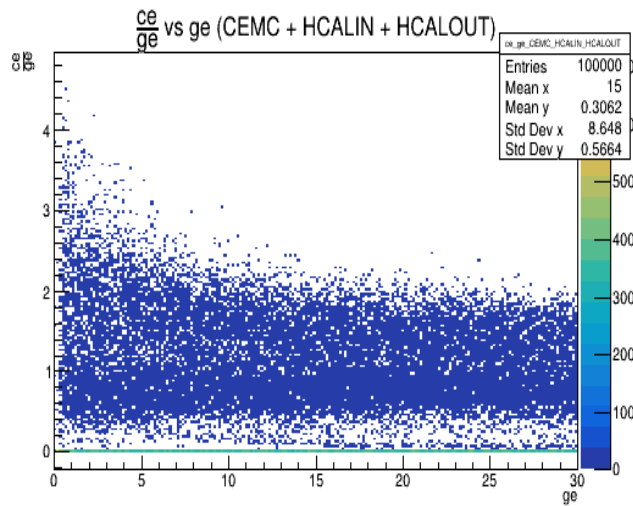
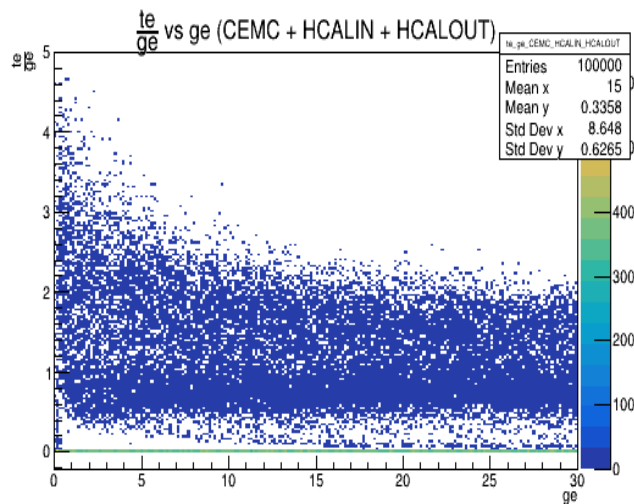
Pion - HCALIN



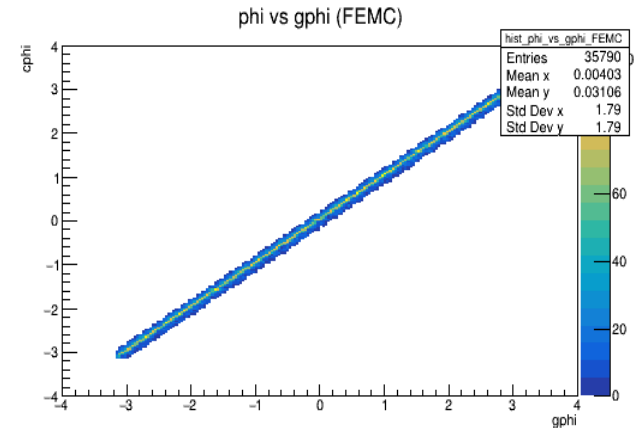
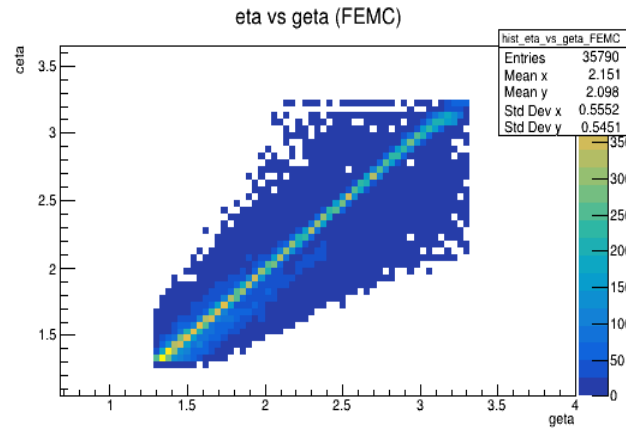
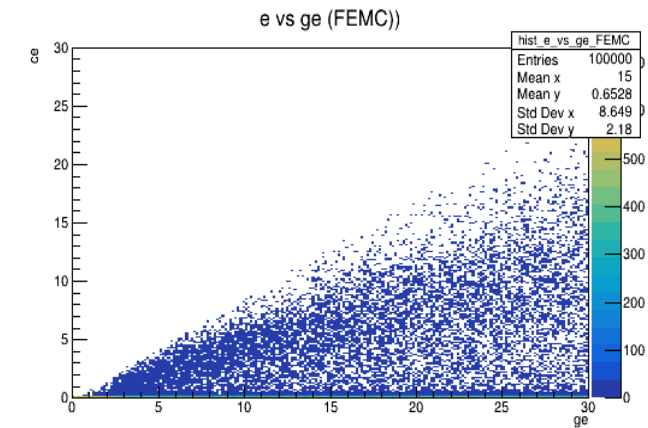
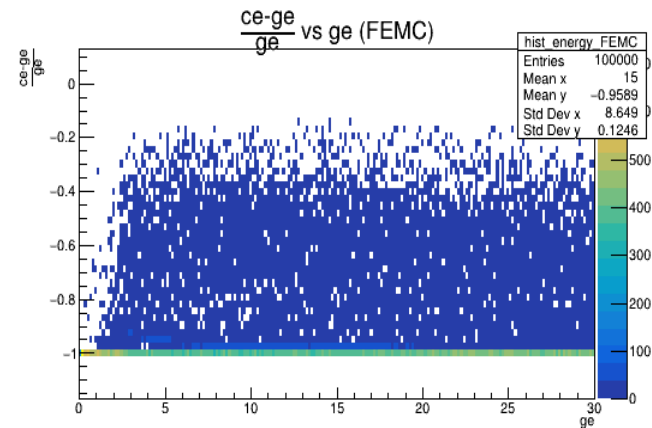
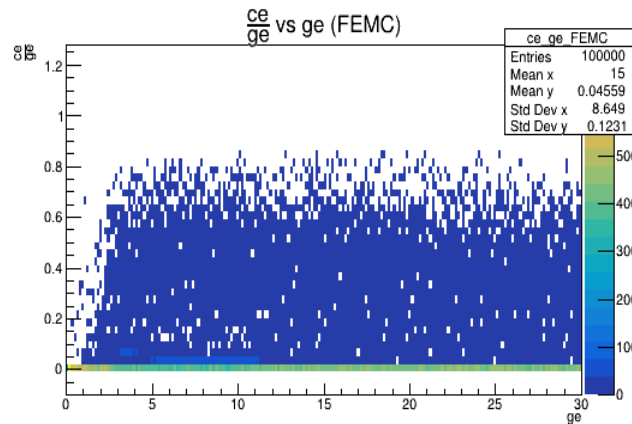
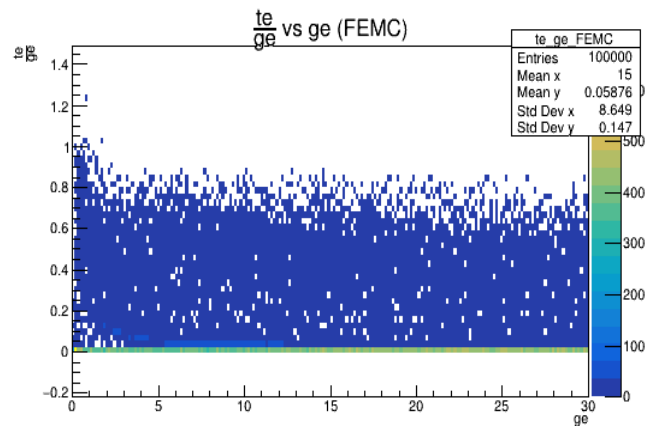
Pion - HCALOUT



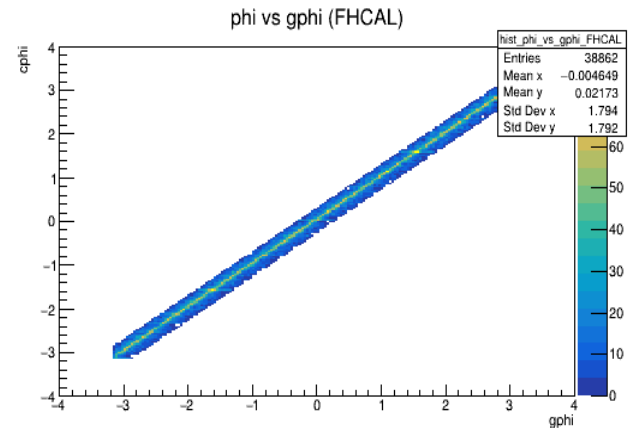
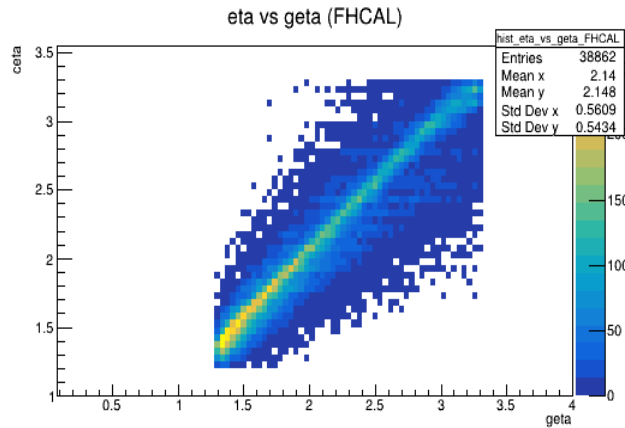
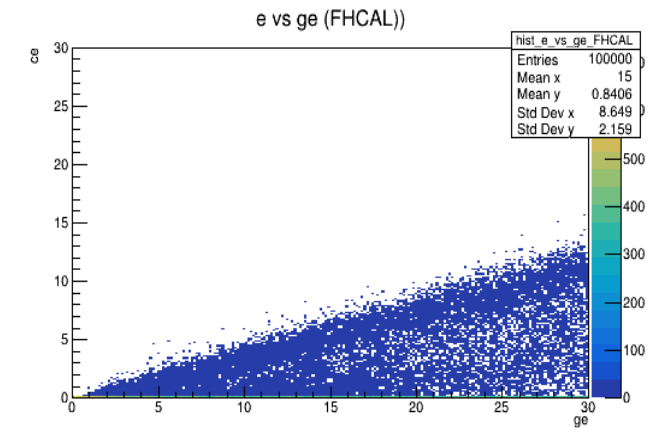
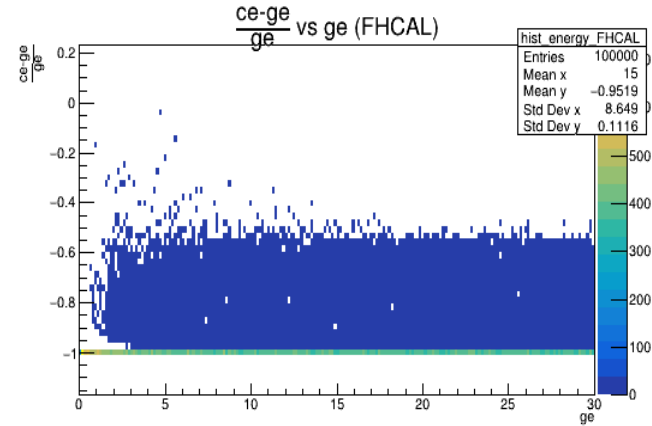
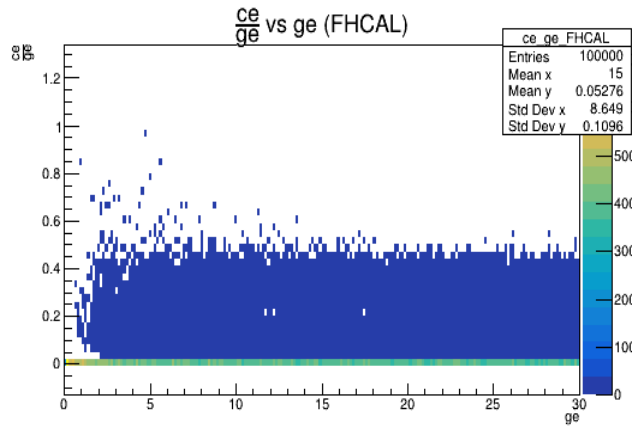
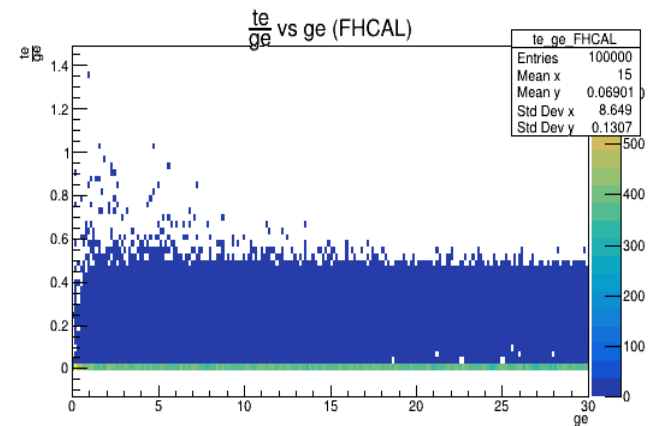
Pion - CEMC+HCALIN+HCALOUT



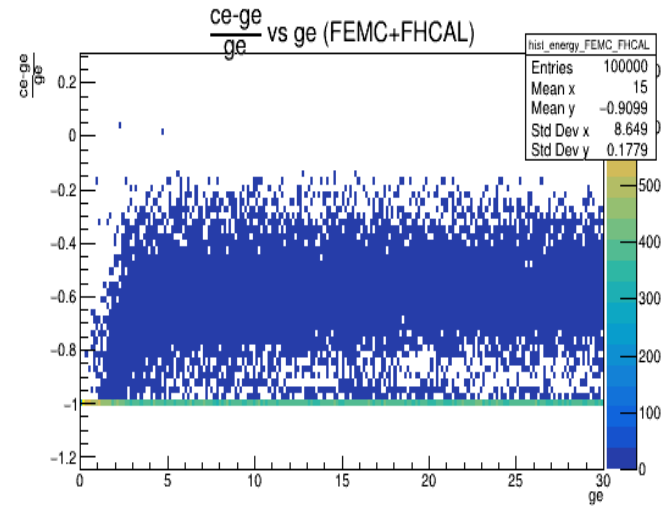
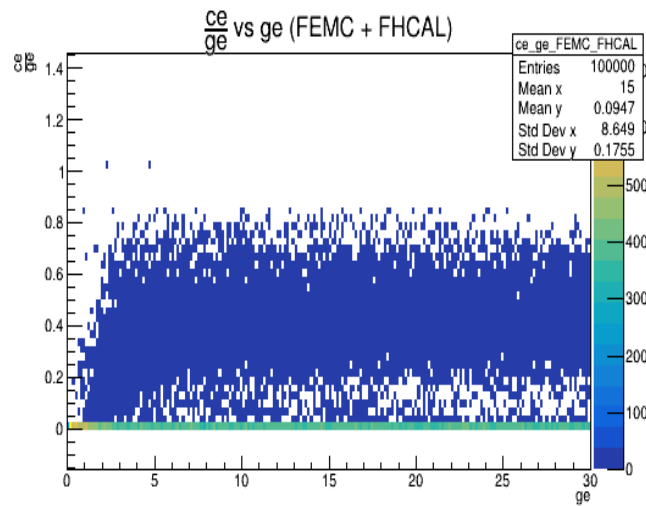
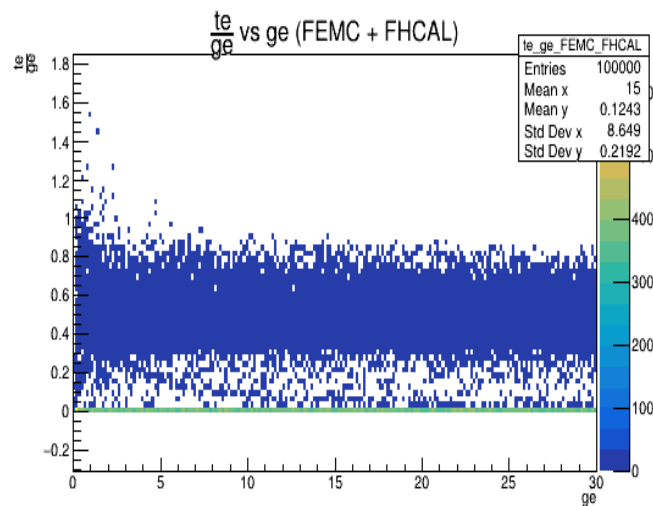
Pion - FEMC



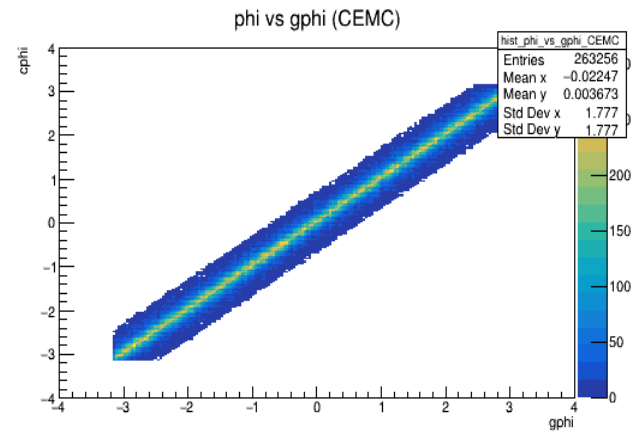
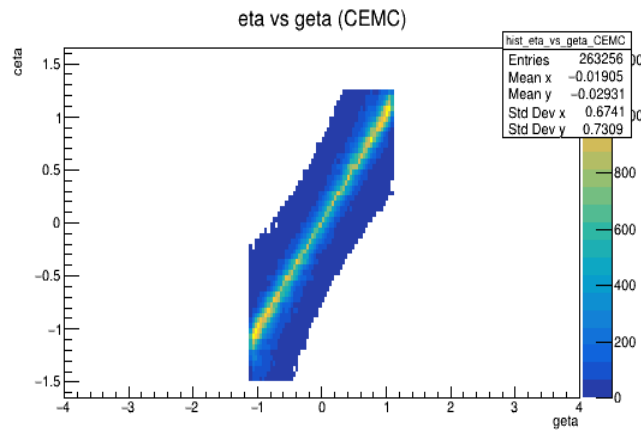
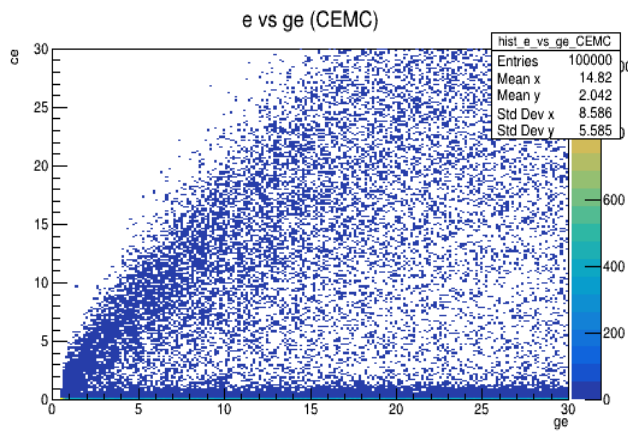
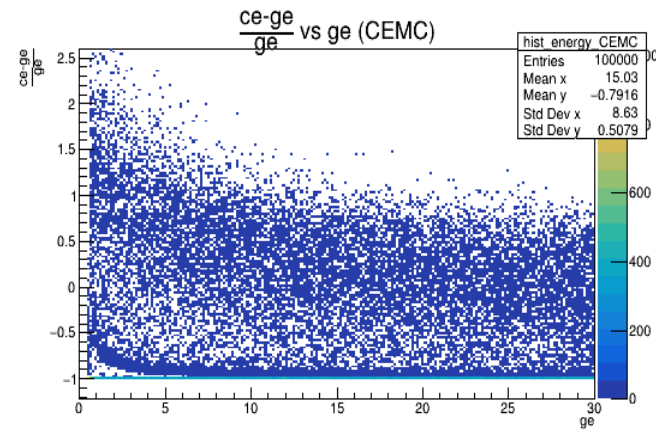
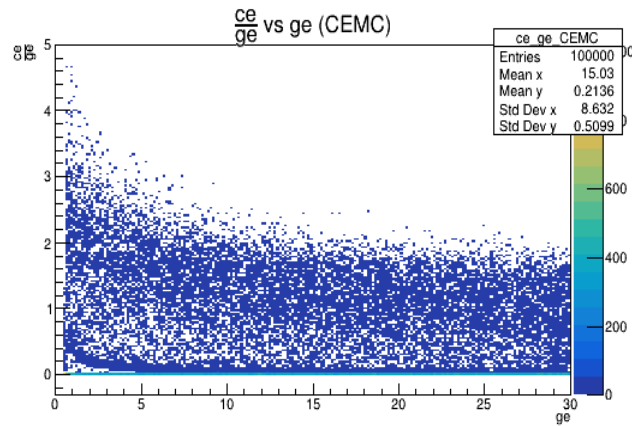
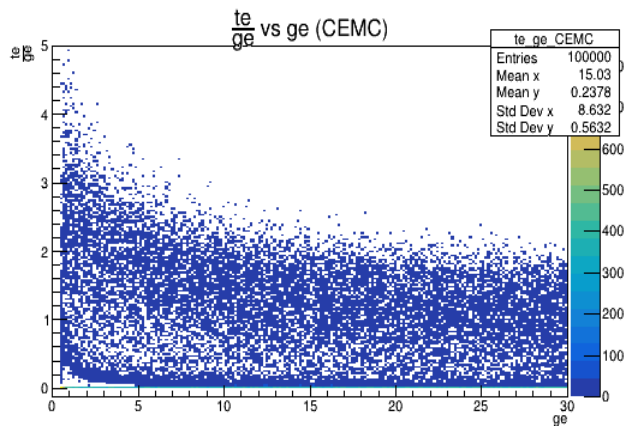
Pion - FHCAL



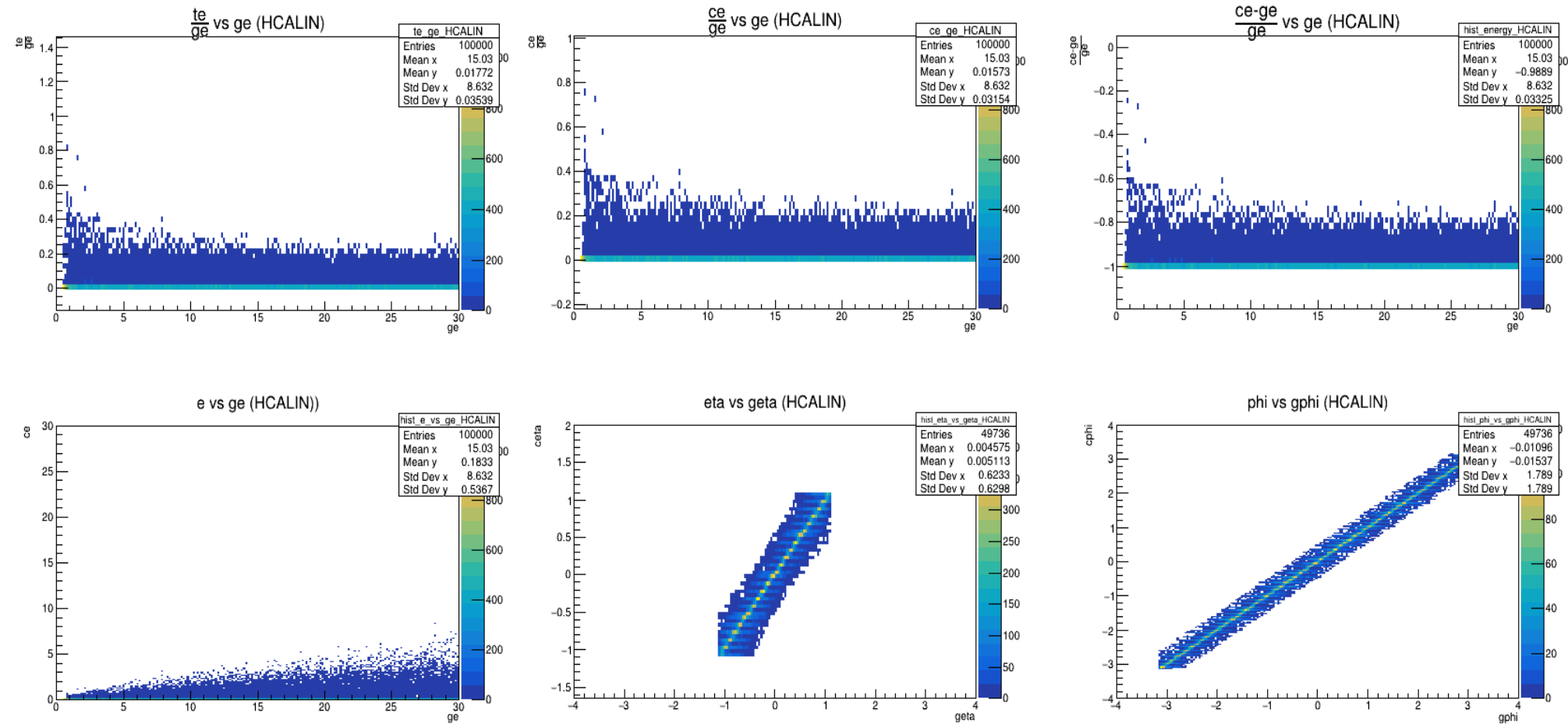
Pion - FEMC+FHCA



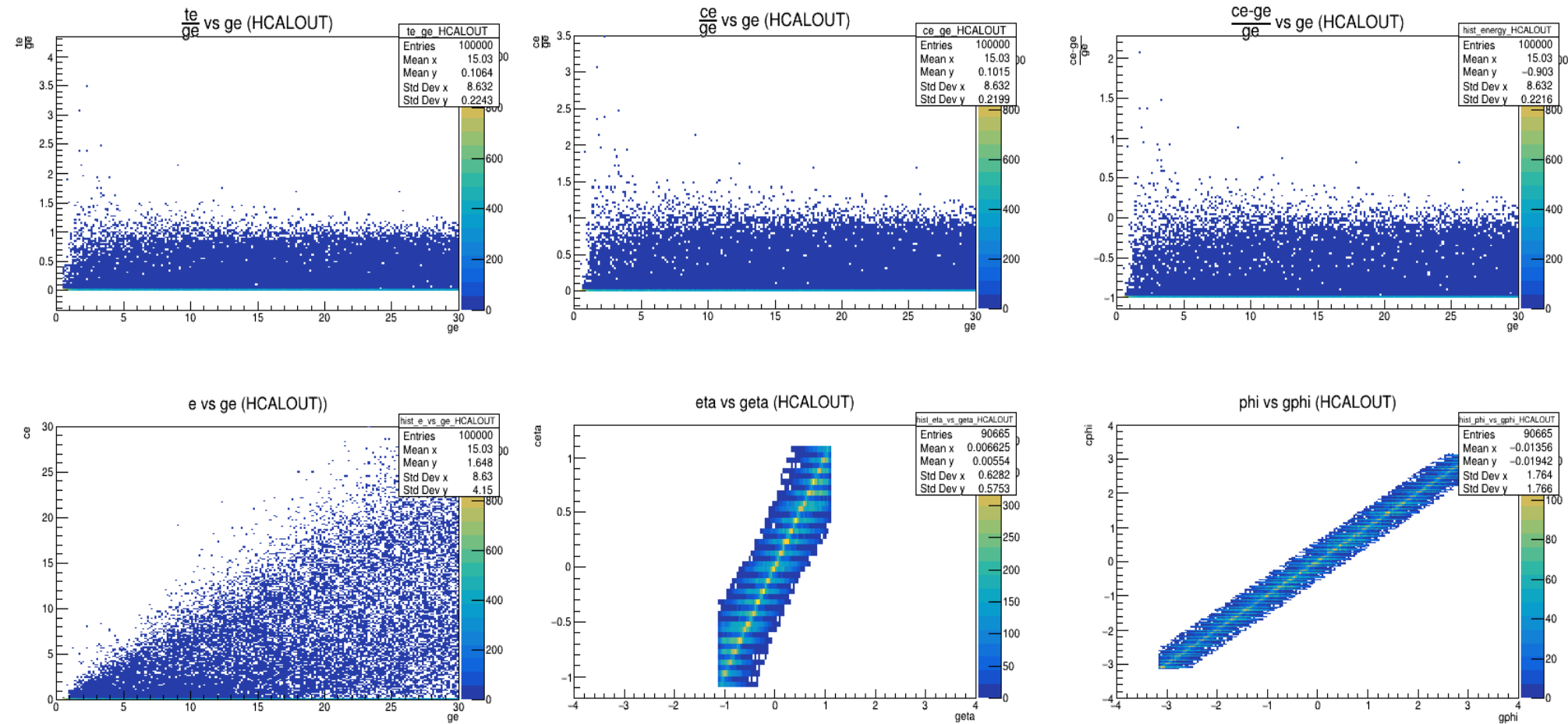
Kaon - CEMC



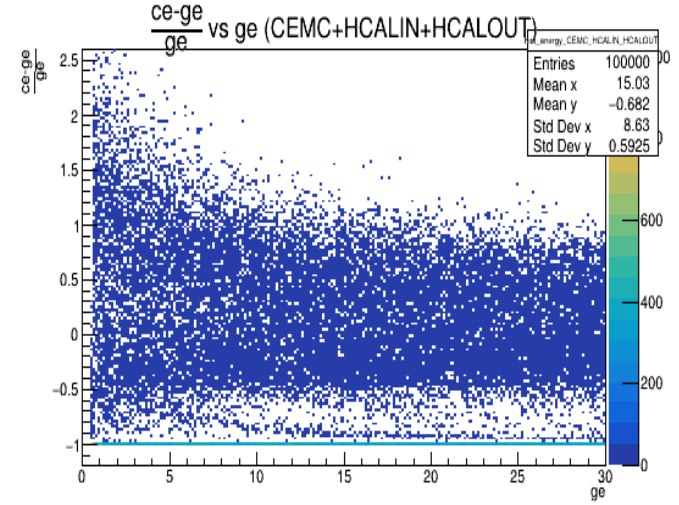
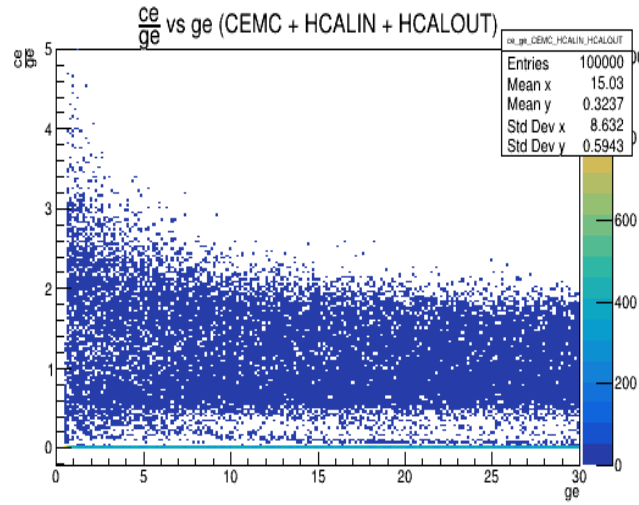
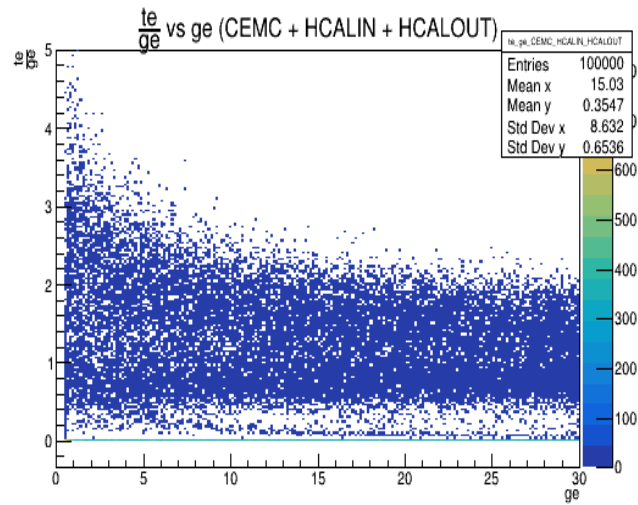
Kaon - HCALIN



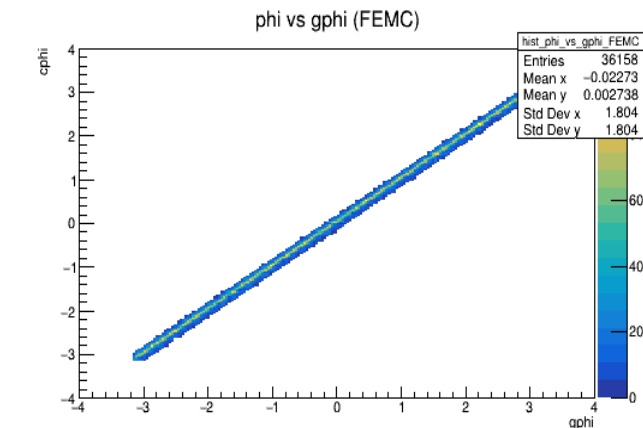
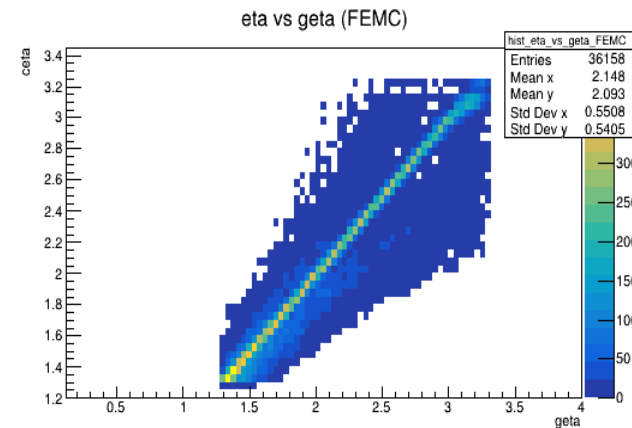
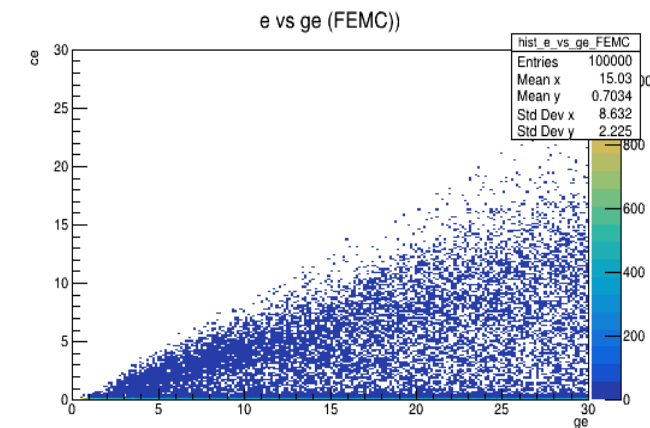
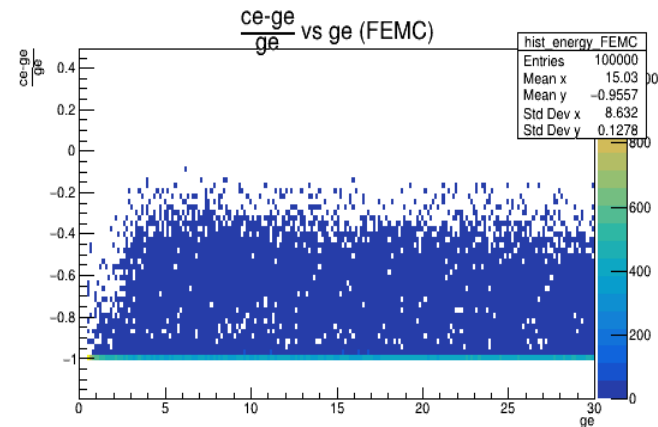
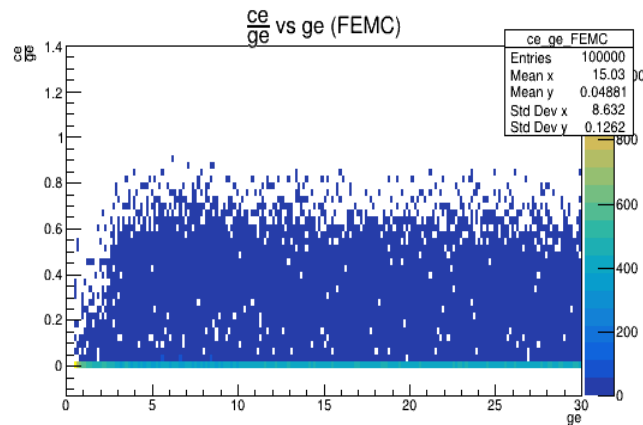
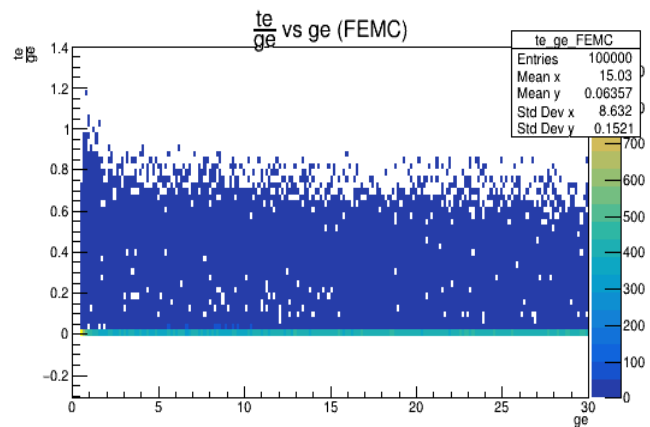
Kaon - HCALOUT



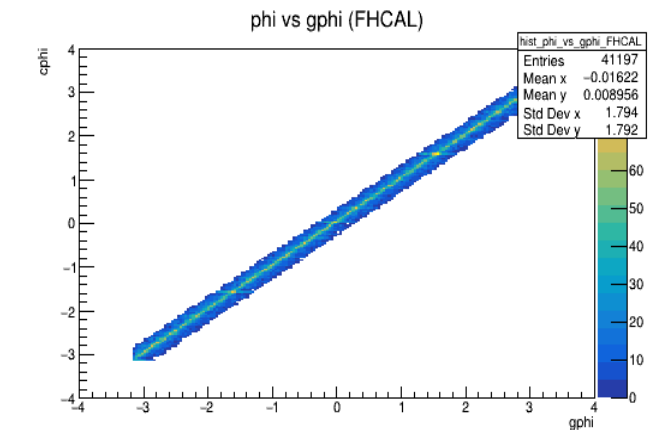
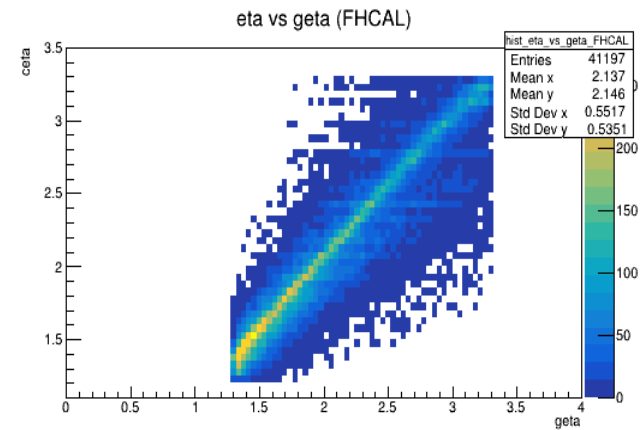
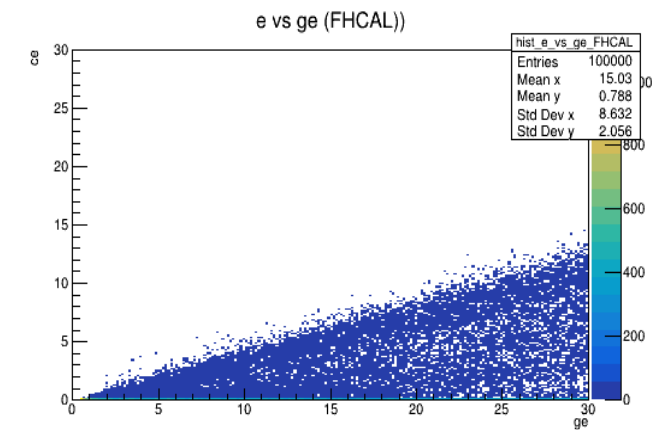
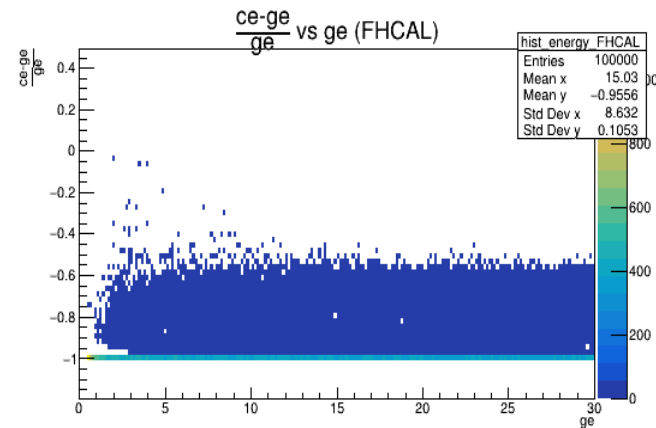
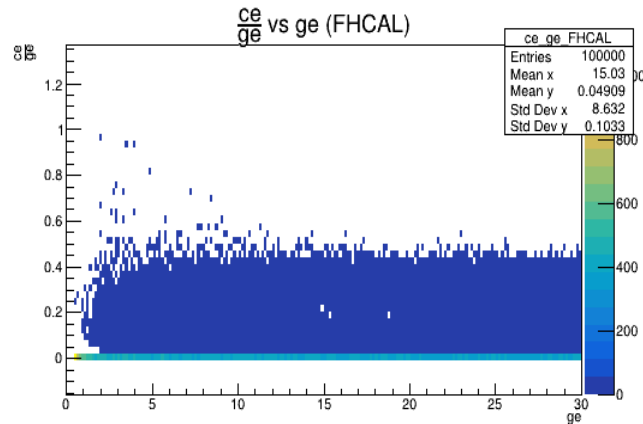
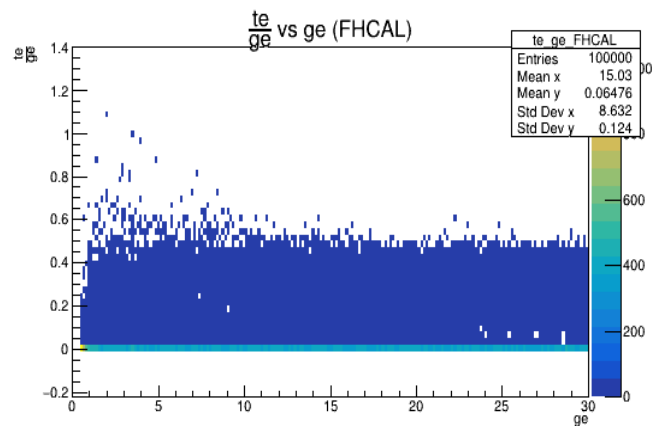
Kaon - CEMC+HCALIN+HCALOUT



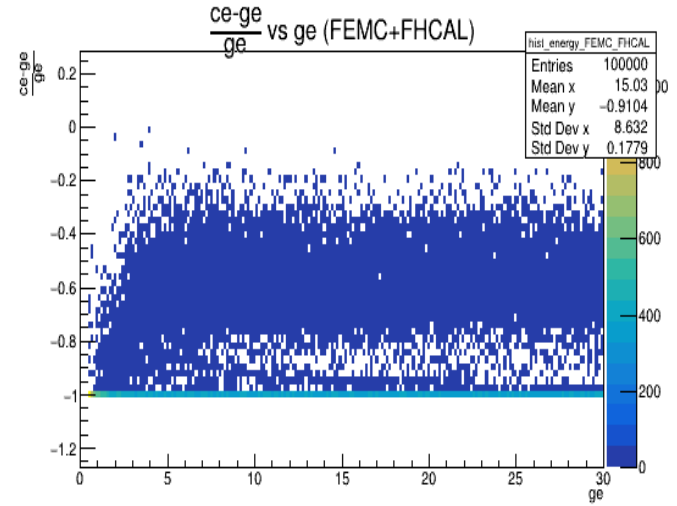
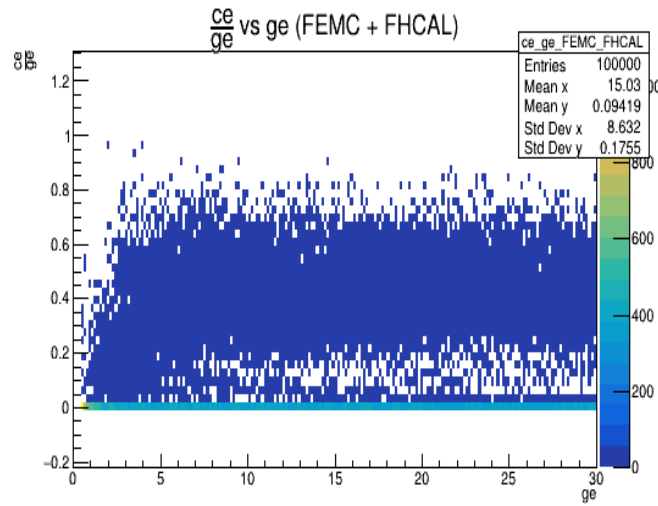
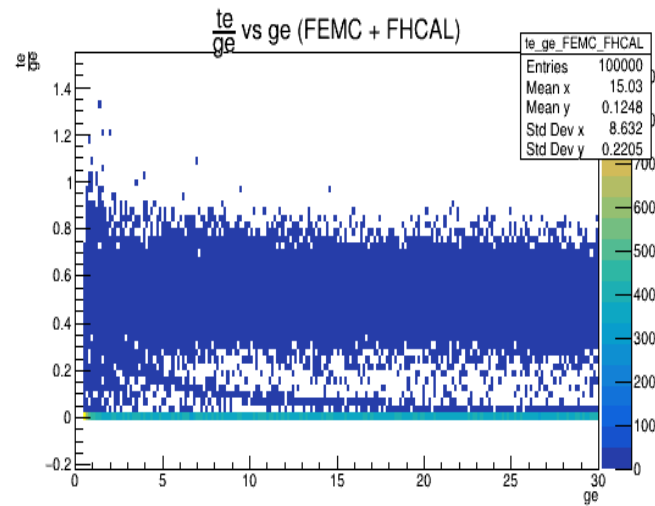
Kaon - FEMC



Kaon - FHCAL



Pion - FEMC+FHCAL



THE END