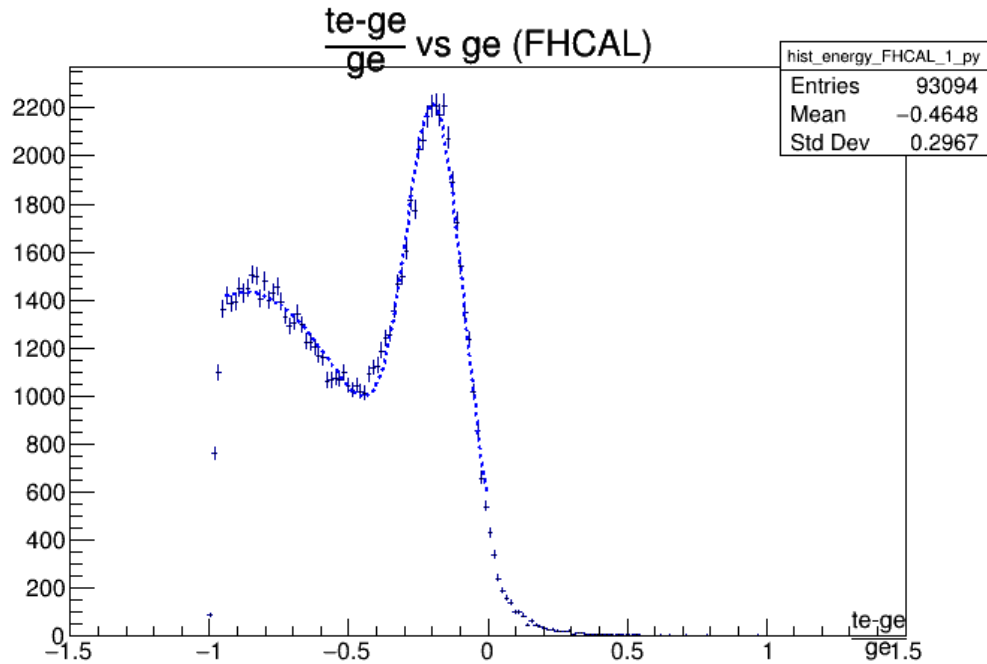


Fun4All Calorimeter Plots: Pion: FEMC correction process

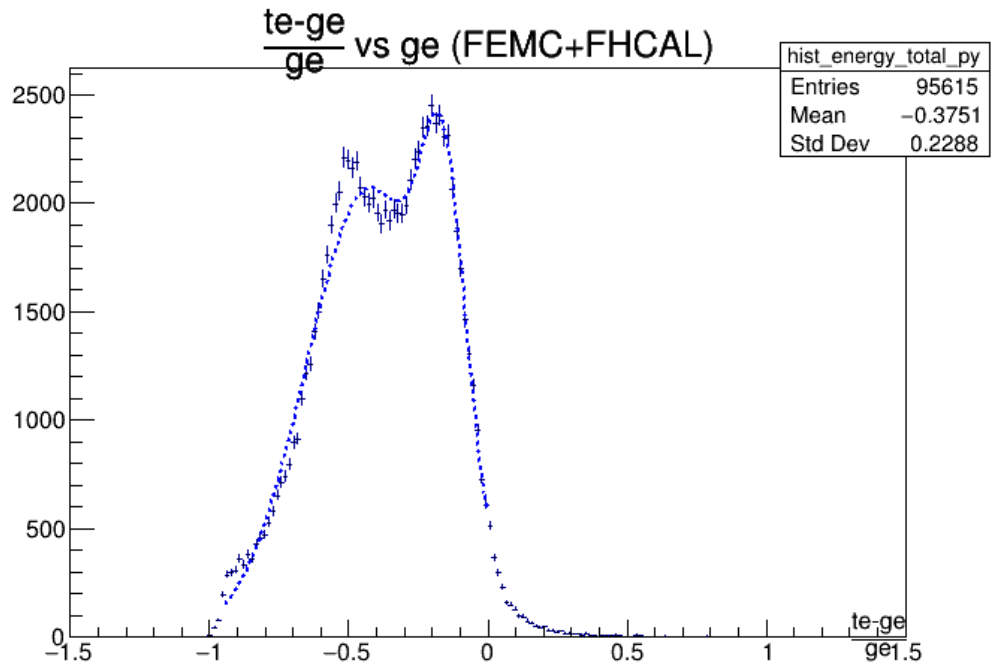
Simran
Lokesh Kumar
Panjab University, Chandigarh, INDIA

Fun4All QA Biweekly Meeting
July 1, 2022



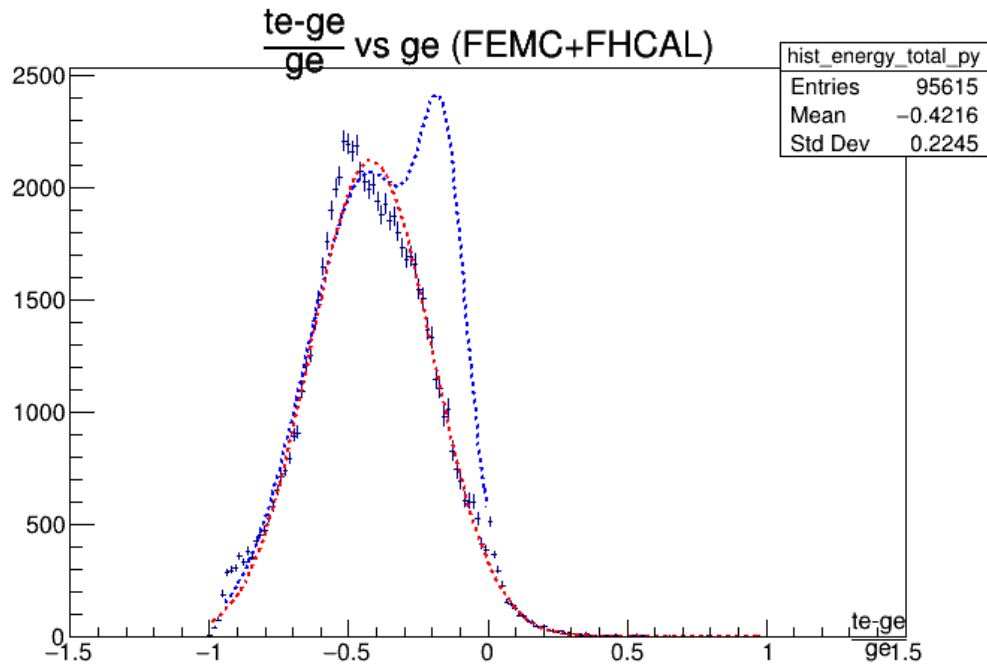
| NO. | NAME | VALUE | ERROR | SIZE | DERIVATIVE |
|----------|-----------|---------------------|--------------------|--------------------|--------------------|
| 1 | p0 | 1.43275e+03 | 1.08857e+01 | 7.23794e-03 | 2.05610e-05 |
| 2 | p1 | -8.70939e-01 | 1.64897e-02 | 3.54666e-06 | 8.27525e-02 |
| 3 | p2 | 4.49400e-01 | 2.13223e-02 | 3.18923e-06 | 2.84825e-02 |
| 4 | p3 | 1.75388e+03 | 2.91419e+01 | 1.36487e-02 | -2.71925e-05 |
| 5 | p4 | -1.88733e-01 | 9.72970e-04 | 1.00276e-06 | 8.16384e-02 |
| 6 | p5 | 1.03997e-01 | 1.84378e-03 | 7.93756e-07 | 1.46722e-01 |

FHCAL mean values:
 p1 -8.70939e-01 (left) ~ -0.9
 p4 -1.88733e-01 (right) ~ -0.2



| EXT PARAMETER | | | STEP | FIRST | |
|---------------|-----------|---------------------|--------------------|--------------------|---------------------|
| NO. | NAME | VALUE | ERROR | SIZE | DERIVATIVE |
| 1 | p0 | 2.06622e+03 | 1.28679e+01 | 8.95988e-02 | 5.18858e-06 |
| 2 | p1 | -4.25819e-01 | 4.17753e-03 | 1.15893e-05 | 7.10809e-02 |
| 3 | p2 | 2.26991e-01 | 2.75391e-03 | 8.60655e-06 | -1.99407e-01 |
| 4 | p3 | 1.32072e+03 | 4.27827e+01 | 1.63531e-01 | -4.96737e-06 |
| 5 | p4 | -1.56702e-01 | 1.25569e-03 | 1.25270e-05 | -1.05266e-01 |
| 6 | p5 | 7.93075e-02 | 2.03741e-03 | 9.58535e-06 | -9.72874e-02 |

FEMC+FHCAL mean values:
 p1 -4.25819e-01 (left) ~ -0.4
 p4 -1.56702e-01 (right) ~ 0.15



| EXT PARAMETER | | | STEP | FIRST | |
|---------------|-------------|---------------------|--------------------|--------------------|--------------------|
| NO. | NAME | VALUE | ERROR | SIZE | DERIVATIVE |
| 1 | Constant | 2.12266e+03 | 9.63386e+00 | 2.98703e-02 | -7.49402e-05 |
| 2 | Mean | -4.19542e-01 | 8.94297e-04 | 3.20782e-06 | 3.48675e-01 |
| 3 | Sigma | 2.18313e-01 | 5.86281e-04 | 2.69959e-06 | 1.20143e-01 |

FEMC+FHCAL:
Left flank mean value:
-4.19542e-01 ~ -0.4

$$te/ge = -0.4 + 1 = 0.6$$

THANKS!