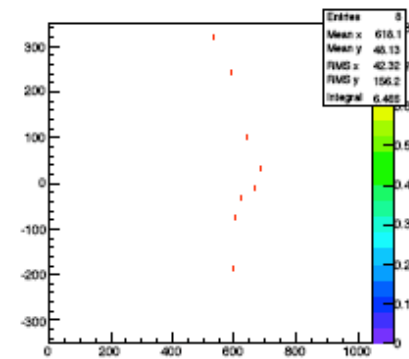
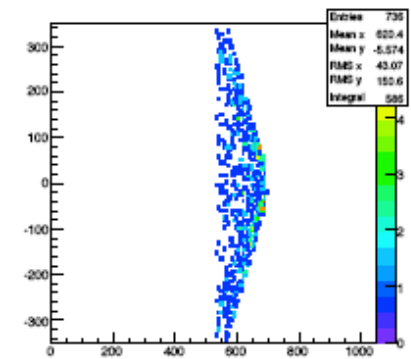
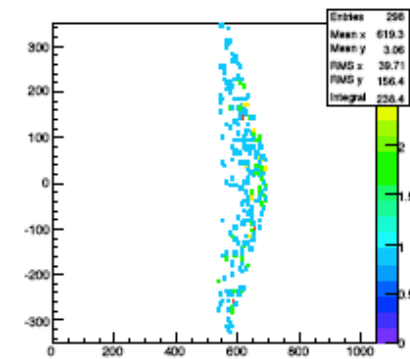
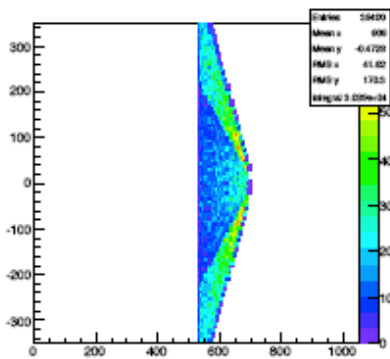
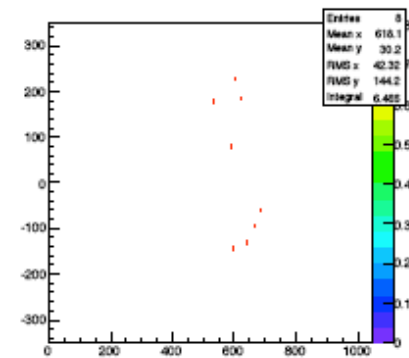
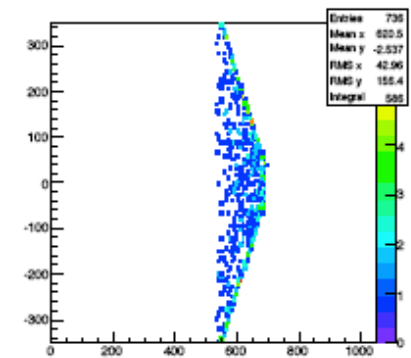
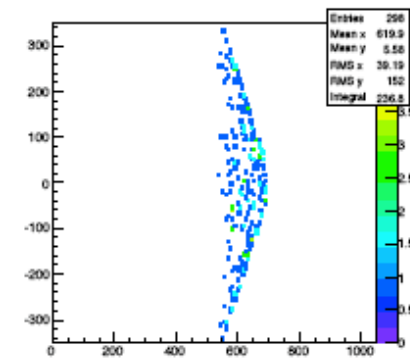
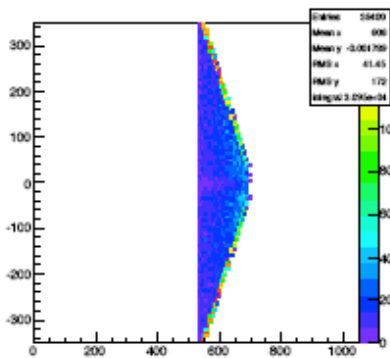
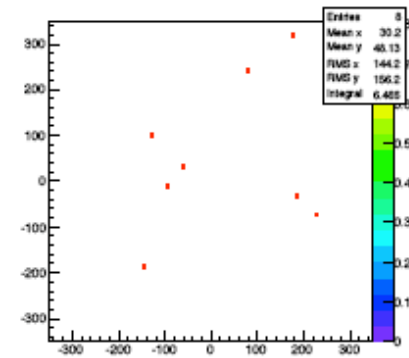
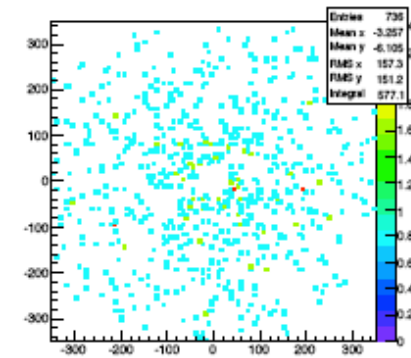
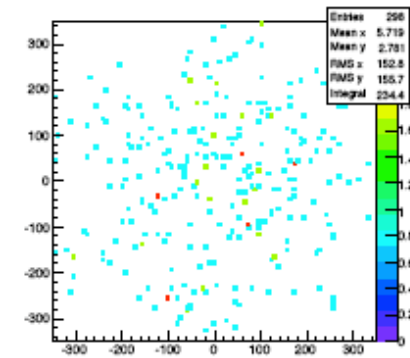
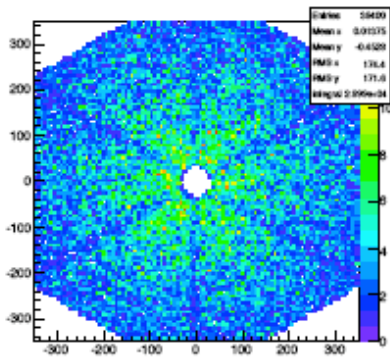


RICH GEMC SIMULATIONS

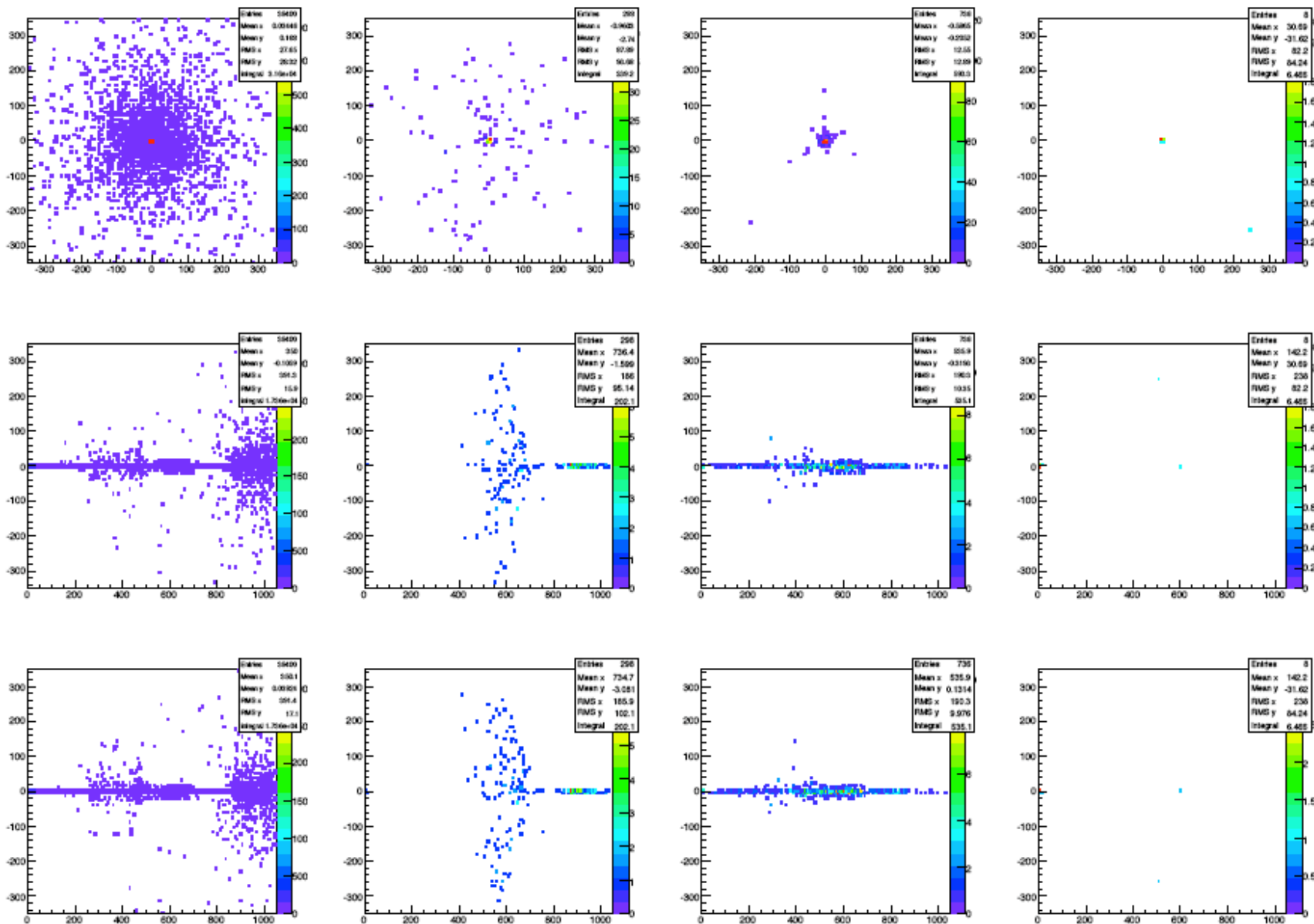
Contalbrigo Marco, Aram Movsisyan
Luciano Pappalardo, Luca Barion & Paolo Lenisa
INFN Ferrara

Rich Meeting, 14 June 2013

Particle Flux at the RICH Detector

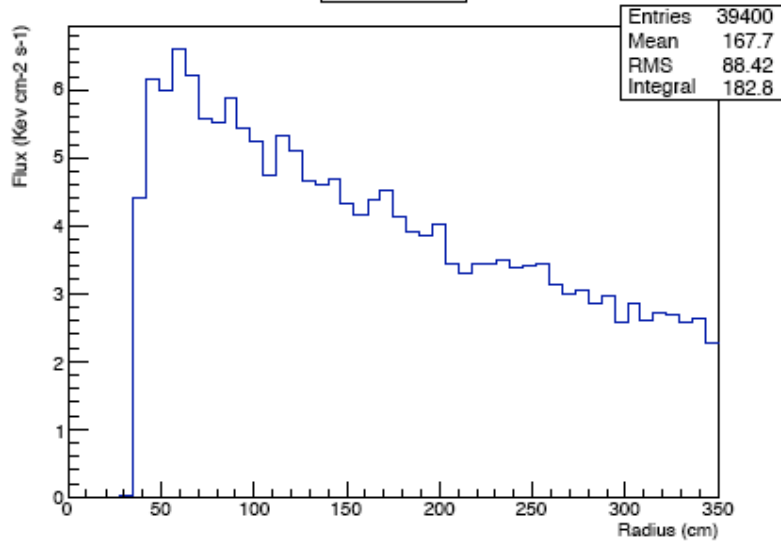


Particle Flux at the RICH Detector

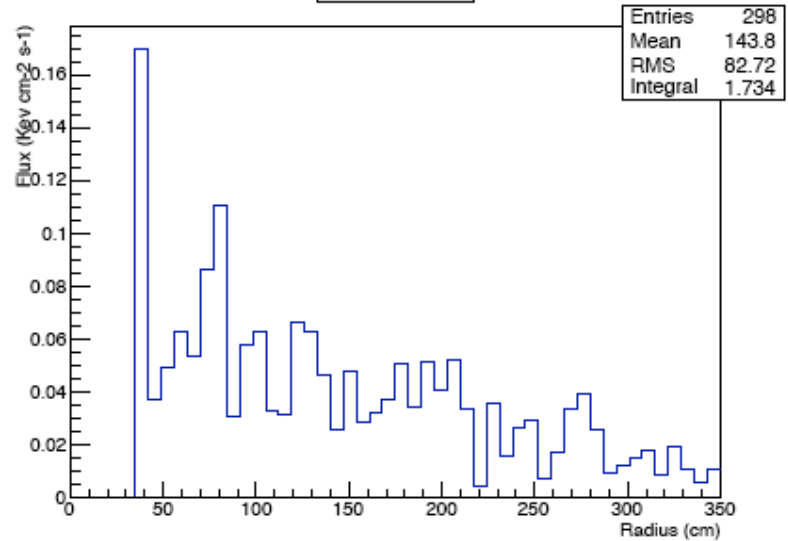


Particle Flux (Raffaella)

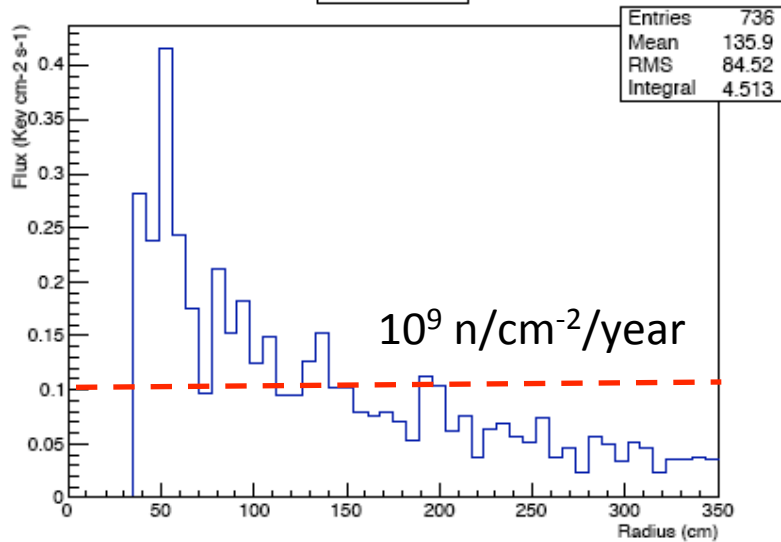
Gamma



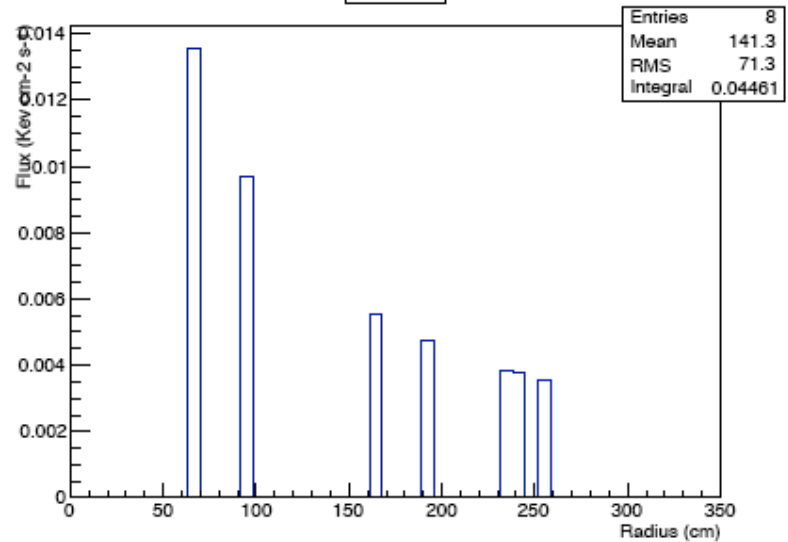
Electron



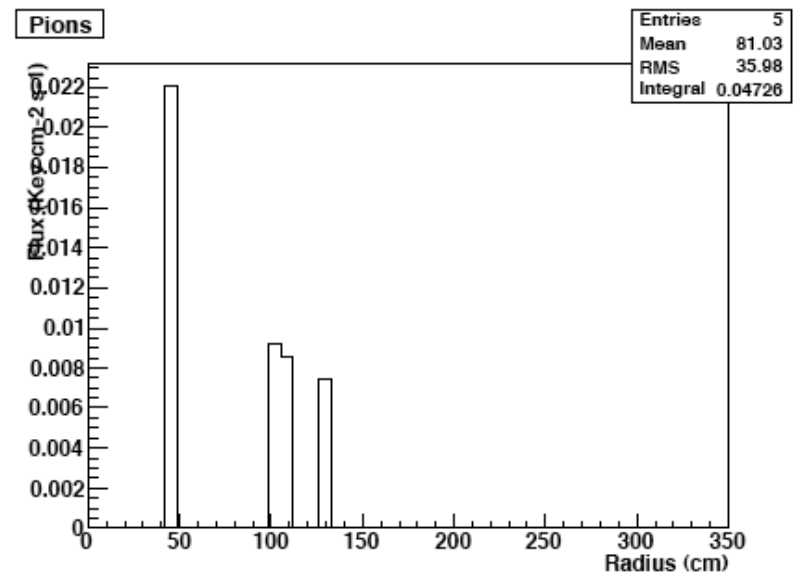
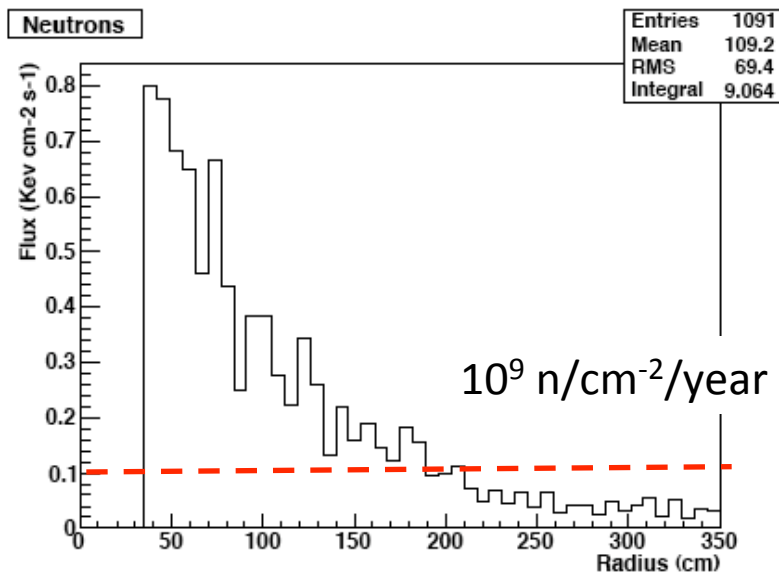
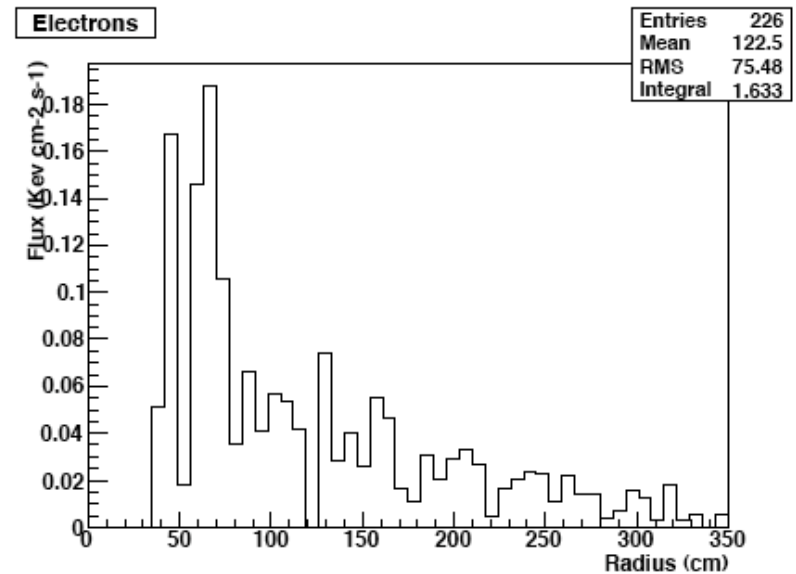
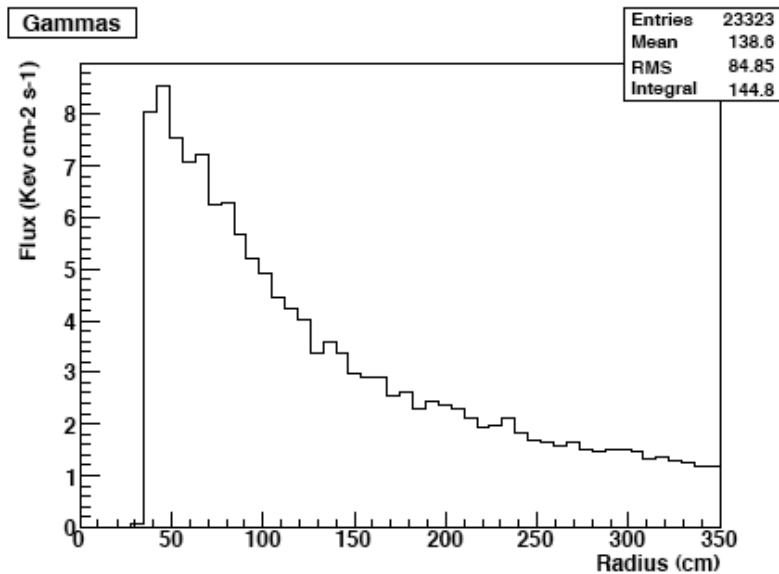
Neutron



Pion

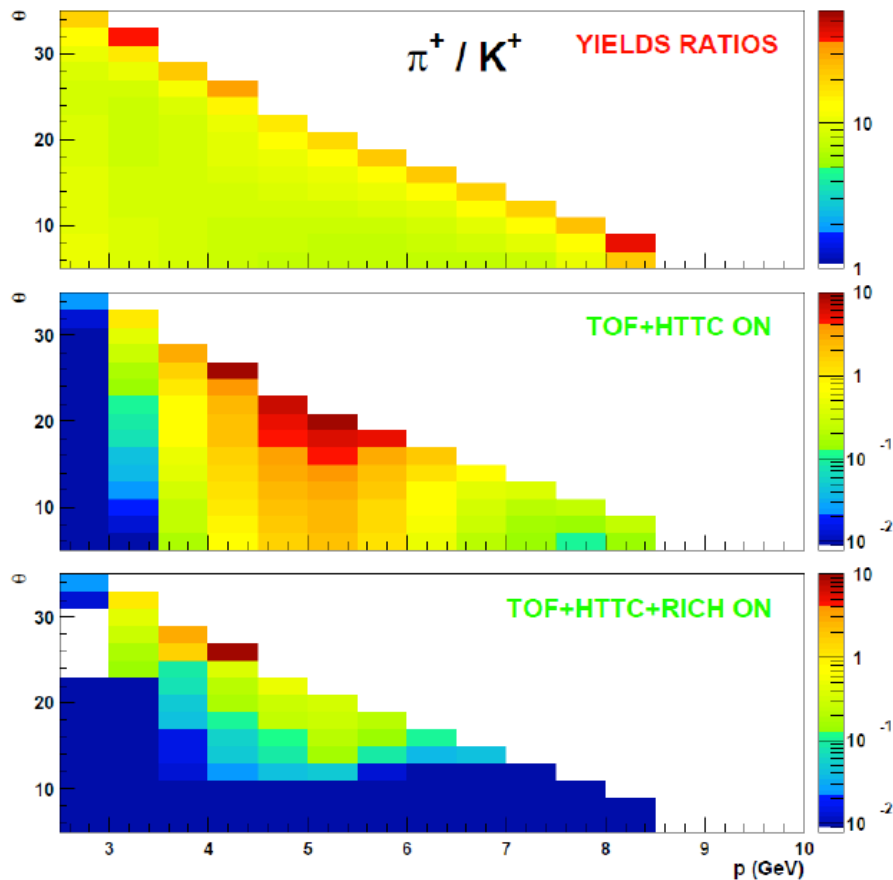


Particle Flux (myself)

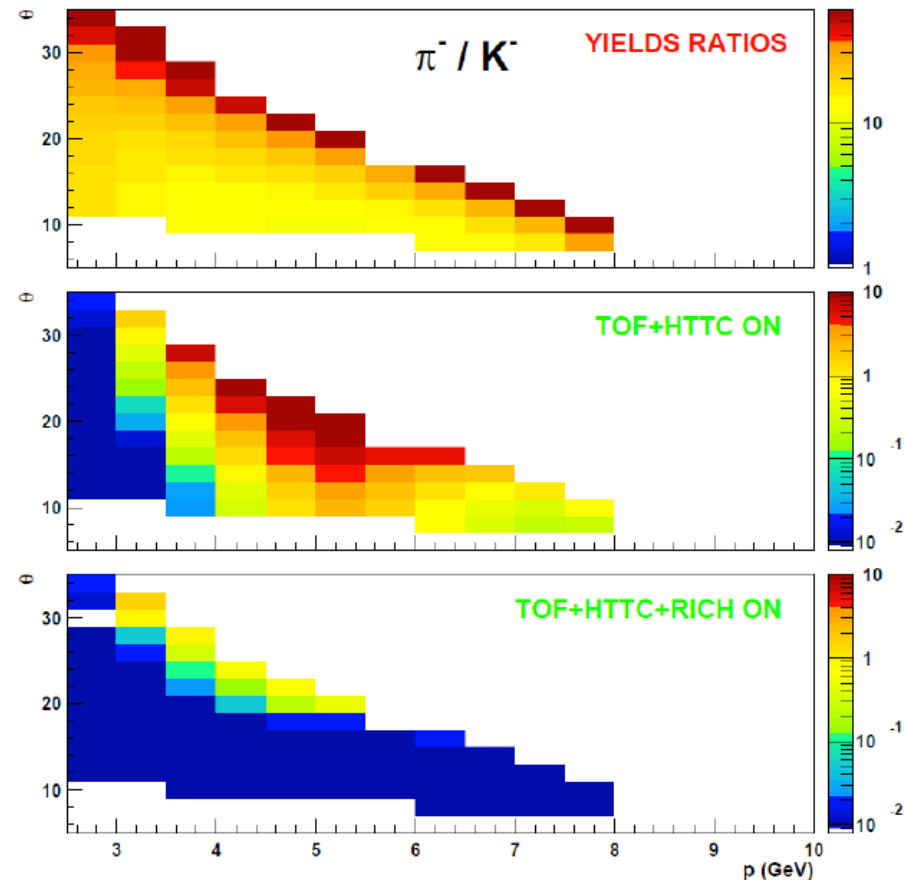


CLAS12 Combined PID

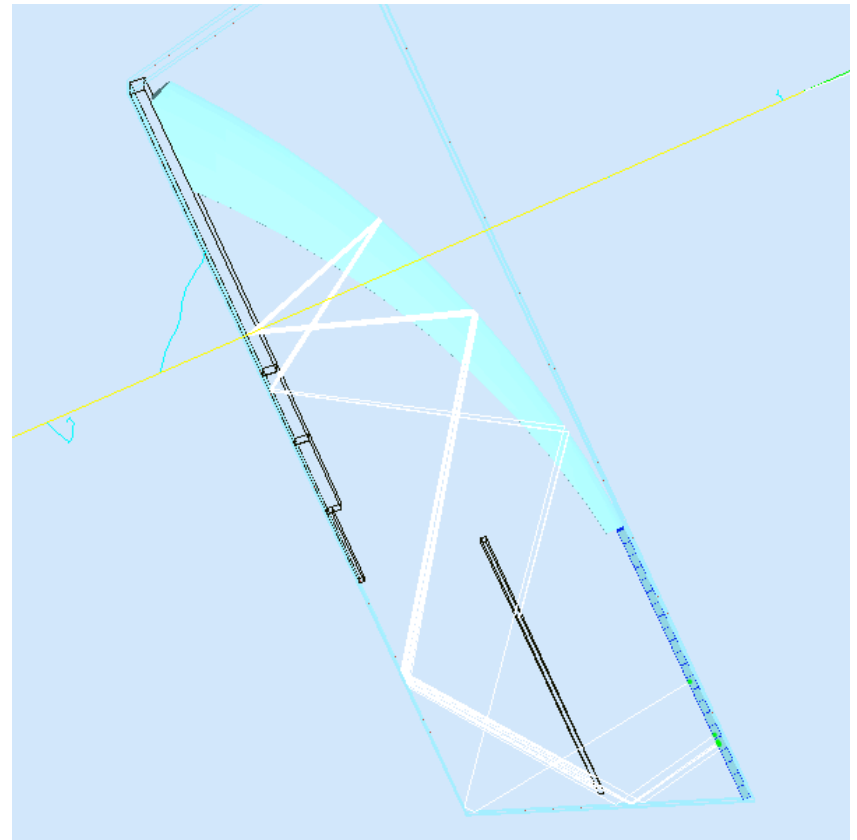
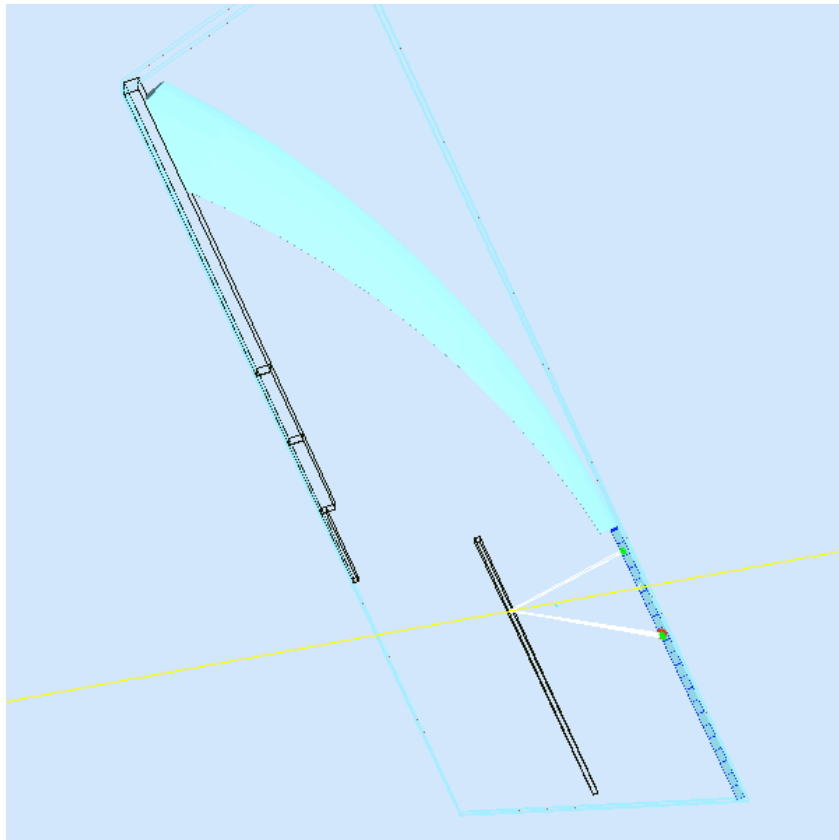
Results (2): π^+ / K^+ PID



Results (2): π^- / K^- PID



CLAS12 Combined PID

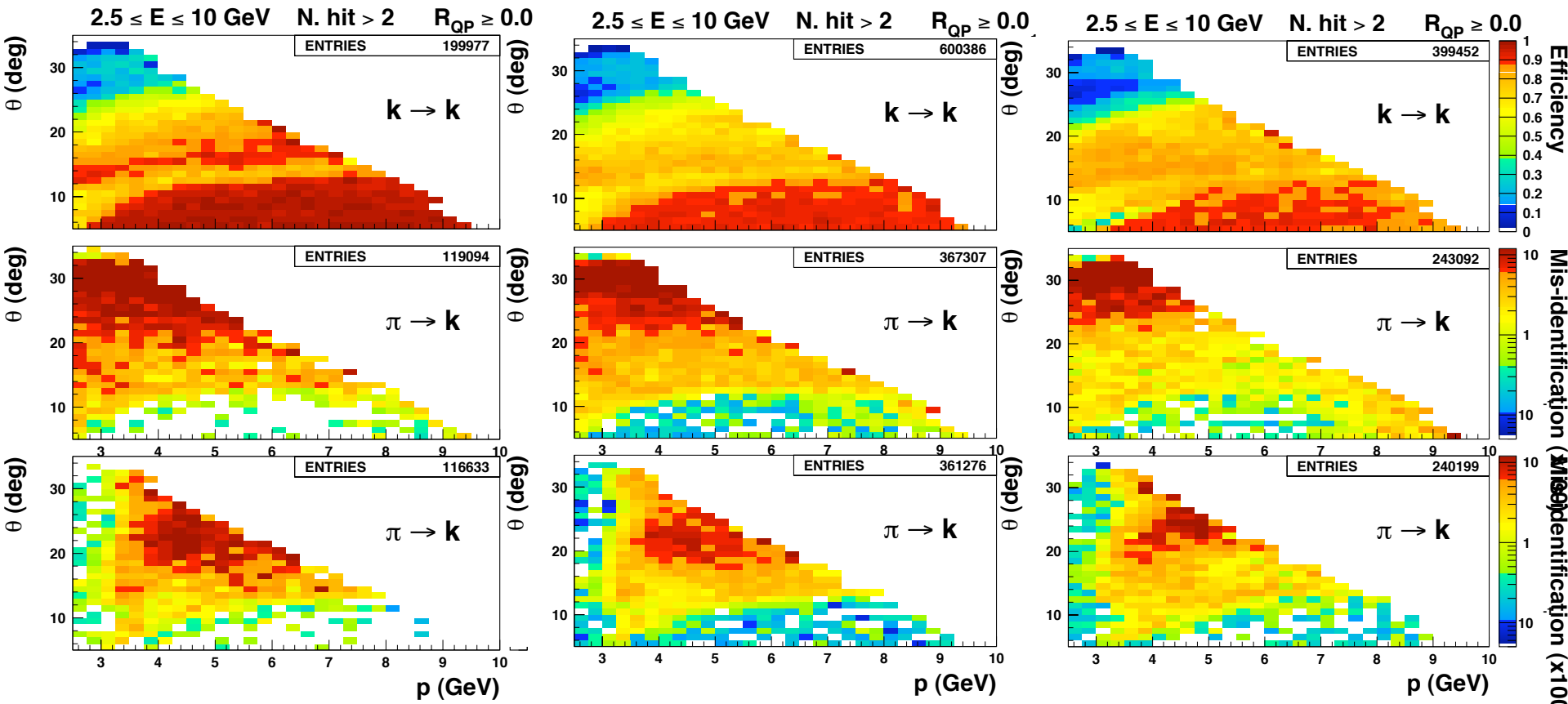


Photon Yield at CLAS12

Elliptical Mirror
No Time Coincidence

Elliptical Mirror
Time Coincidence

Spherical Mirror
Time Coincidence
Staggered Aerogel

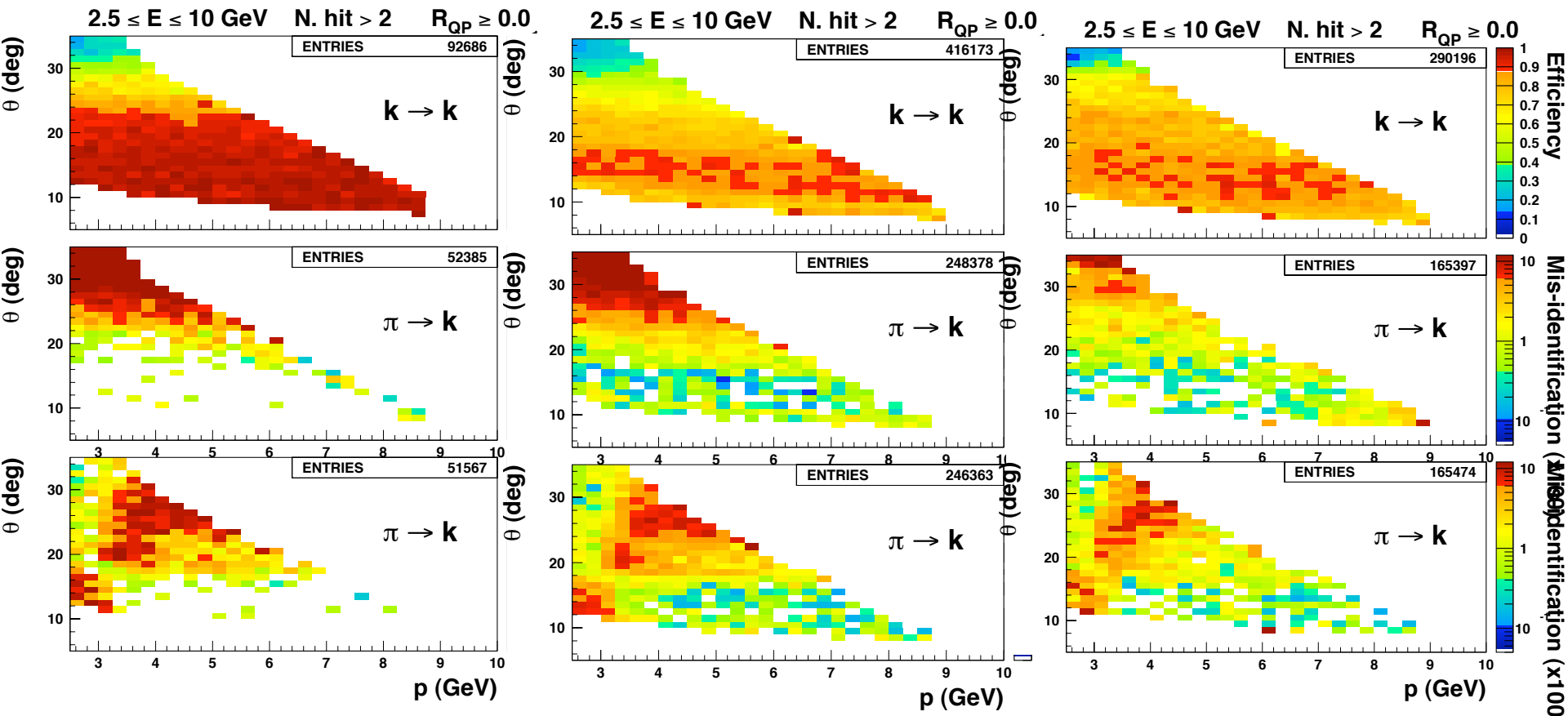


Photon Yield at CLAS12

Elliptical Mirror
No Time Coincidence

Elliptical Mirror
Time Coincidence

Spherical Mirror
Time Coincidence
Staggered Aerogel



Draft of Review Agenda

- 1 Welcome and Charge to the Committee (V. Burkert)
- 2 Physics goals (H. Avakian)
- 3 The CLAS12 spectrometer (V. Kubarovsky)
- 4 RICH project overview (M. Contalbrigo)

- 5 Aerogel test results (L. Pappalardo)
- 6 H8500 test results (M. Hoek)
- 7 The RICH prototype (M. Mirazita)

- 8 Front-End Electronics (E. Cisbani)
- 9 DAQ & trigger (B. Raydo)
- 10 Mechanical design & Mirrors (S. Tomassini)
- 11 Assembly and installation in CLAS12 (Jlab Engineer)
- 12 Commissioning + Calibration + on-line monitoring (??)

- 13 Off-line reconstruction + Projections (M. Contalbrigo)
- 14 RICH construction & installation schedule (M. Contalbrigo)