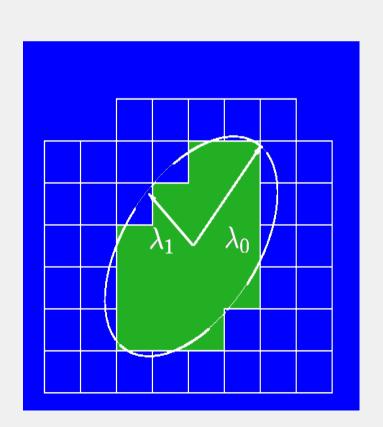
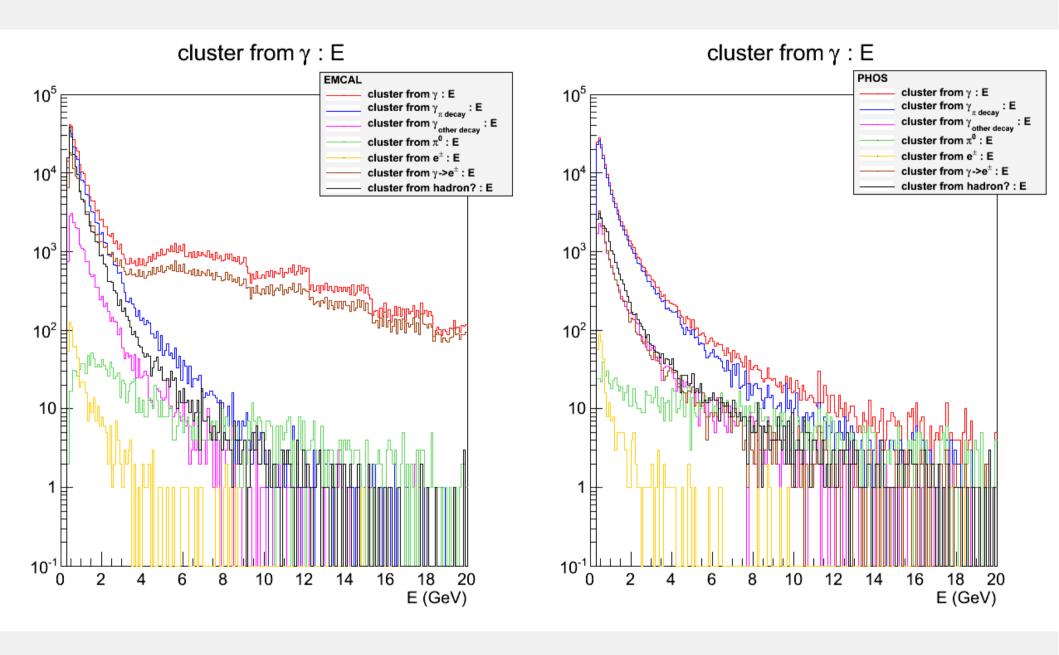
## Weekly progress report

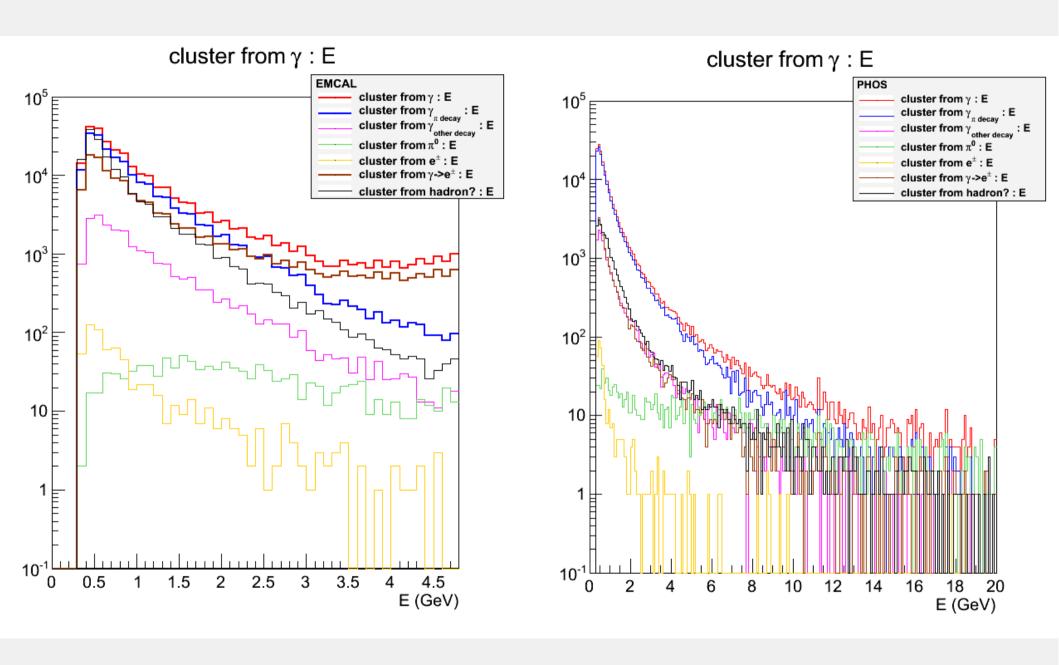
2011-11-08

### What was done

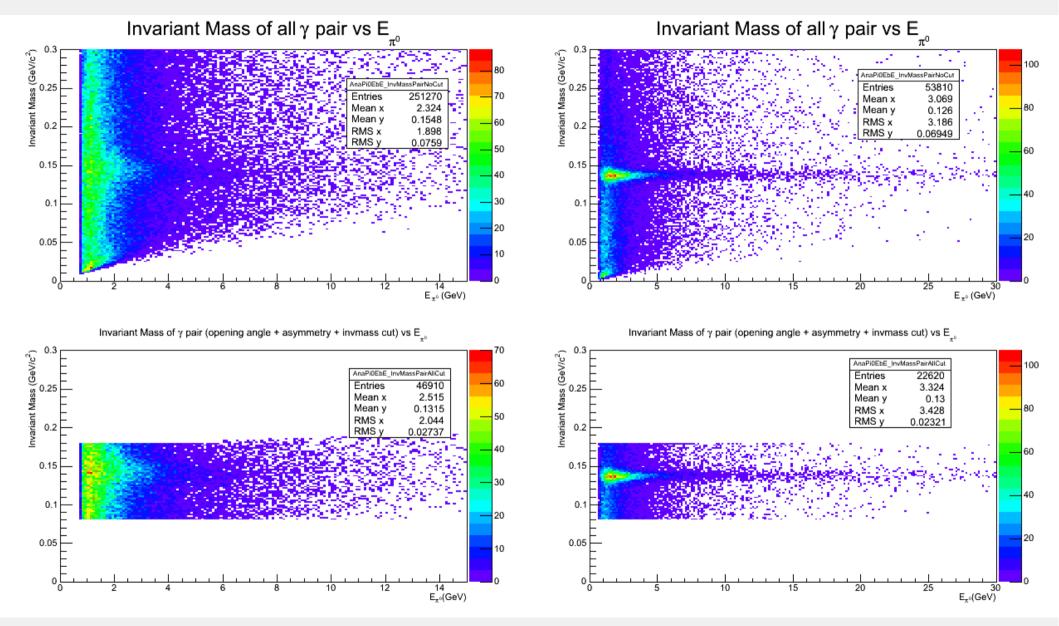
- Ran PartCorr framework on 1,5 M Events in PHOS and EMCAL
- Looked for how the variables of interest behave
- Invariant mass analysis (IMA)
- Shower shape analysis (SSA)
- Isolation cut

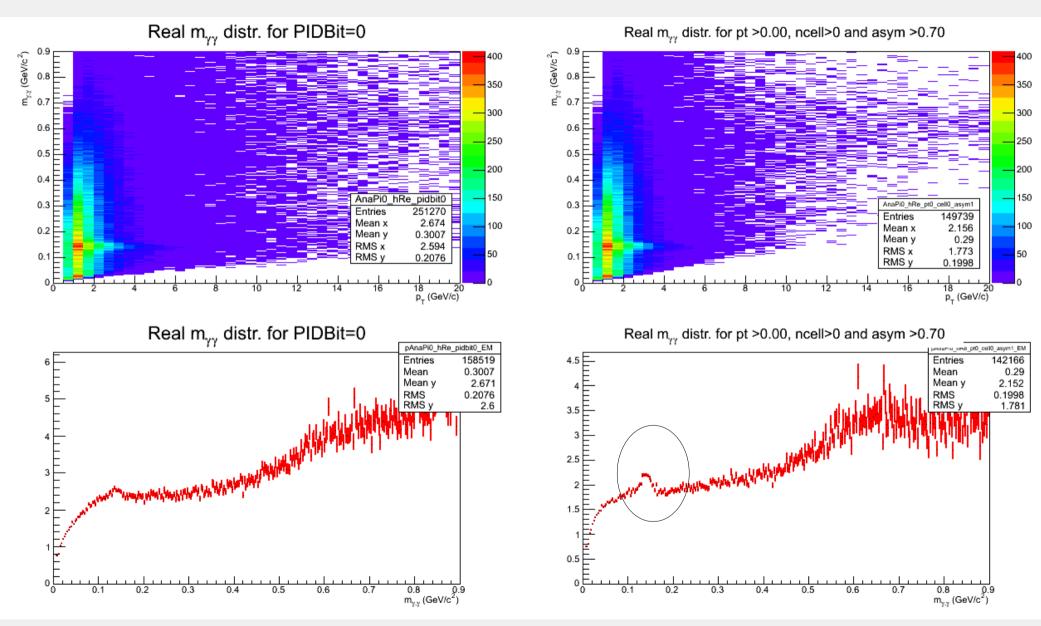


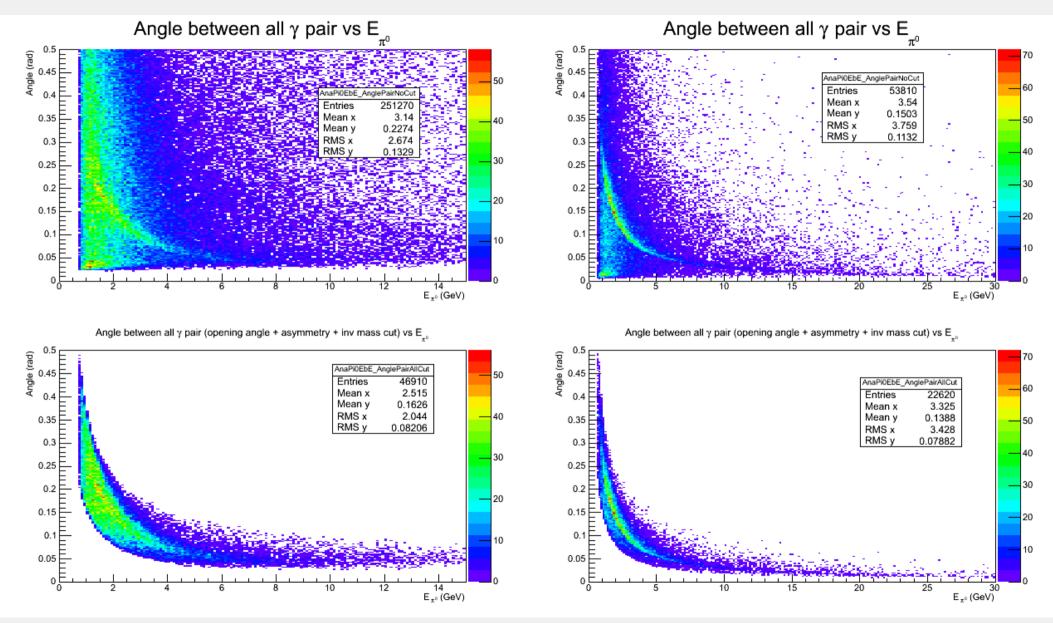


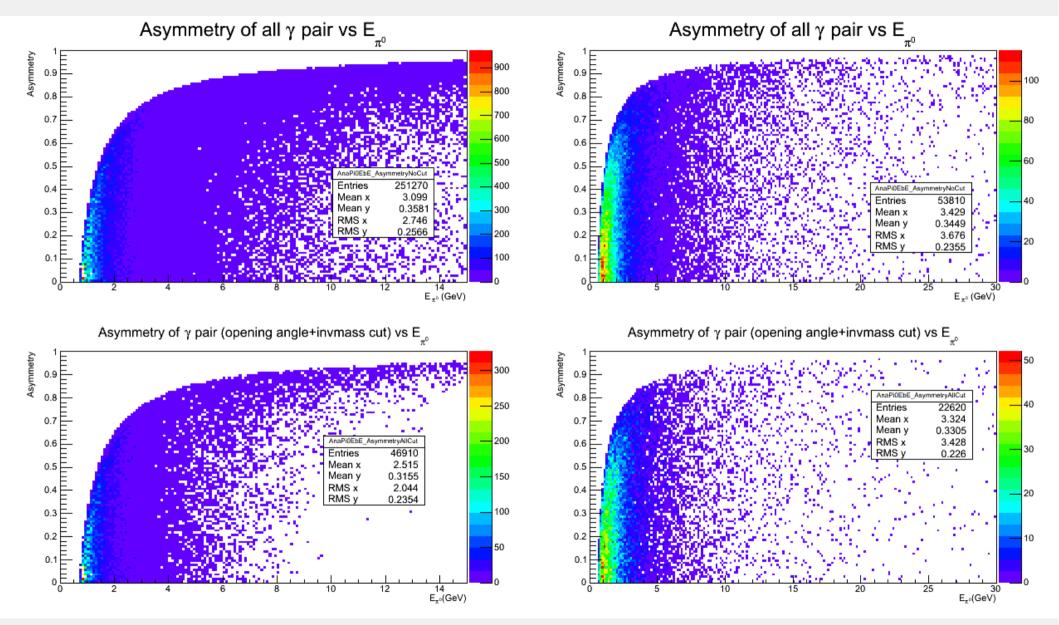


# On Pi0 analysis I will illustrate how the cuts are applied and what comes out



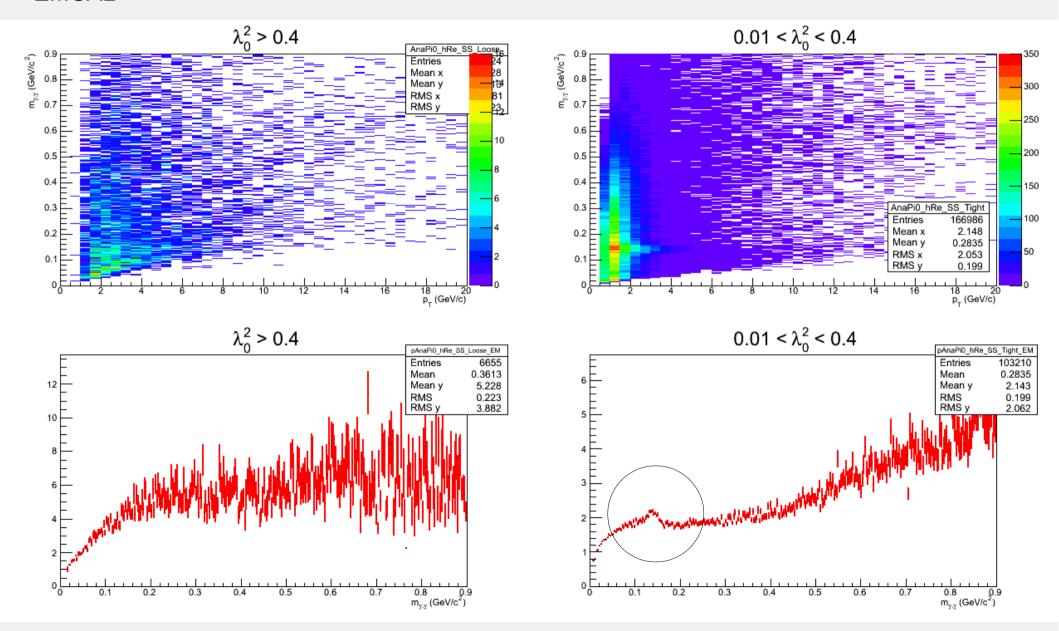




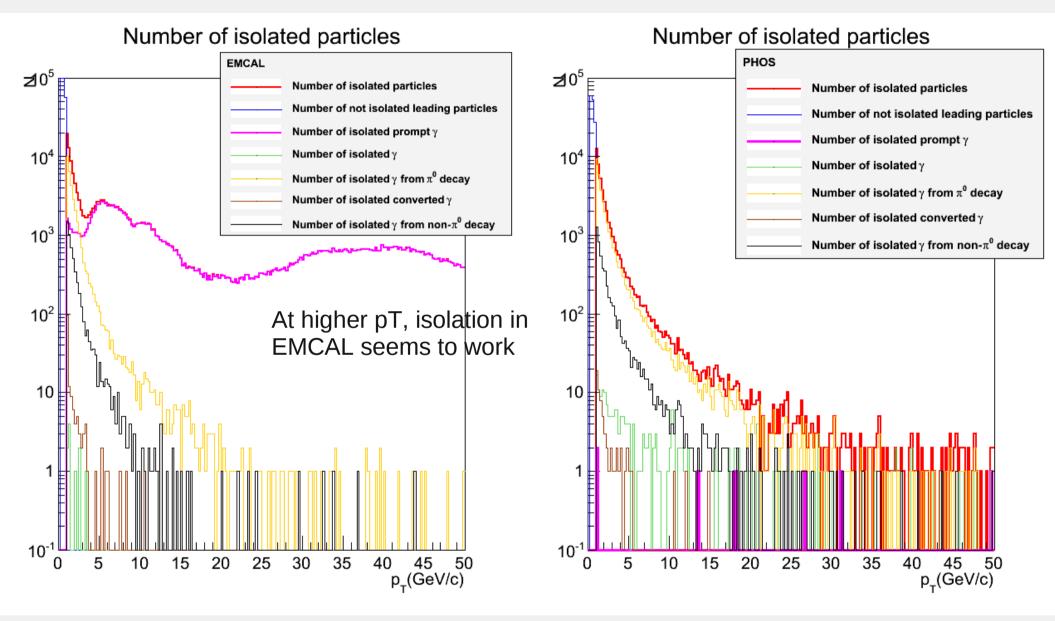


#### One can look at individual asymmetry parameters:

#### **EMCAL**



Isolation study



R = 0.4, pT(thresh) = 0.7, pT(frac) = 0.1

### Summary

- PHOS, EMCAL need different treatment. Cuts need to be tuned individually
- Design a class with a deeper focus on prompt photons aiming towards our analysis
- Time schedule a 2 weeks behind : (!!!catch up