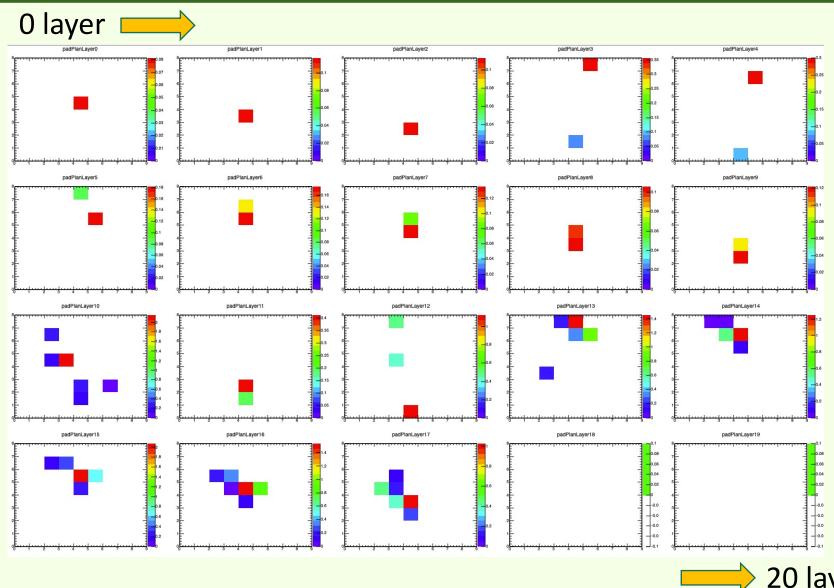


FoCal trigger study plan

- G4 install (done) last week
- Run the basic FoCal G4 simulatin code (done) last week
- Understand the output information (one week)
- Understand the FoCal geometory in G4 Code (a few weeks)
- Make a code to extract the information (ID, position, energy) for each aggregator board (2)
- weeks) This week
- plan algorithm how to fire trigger use for physics using aggregator bord information
- (a week) This week
- inplement the trigger algorithm (1.5 weeks)
- check trigger performance (efficiency / purity) (energy/hitposition/angle/particle/background)
- (a few weeks) Jun
- make a code to convert energy information to real ASIC information (TOT/TOA/AOD) (2 weeks)
- ...

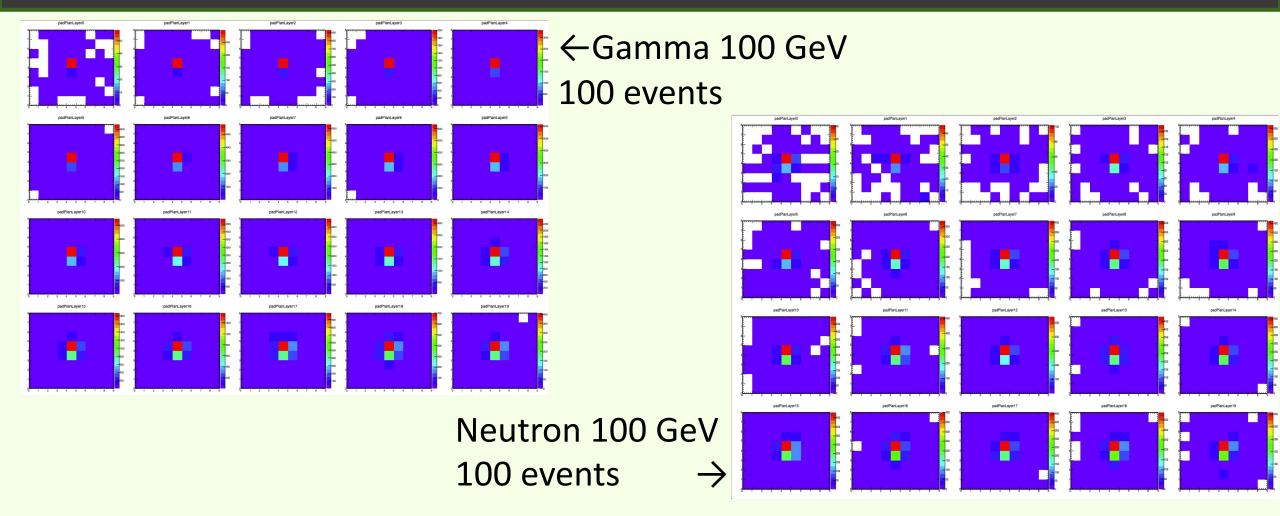
make extraction code each pad information



-> I could found its strange behavior came from mistake arraignment of pad id

20 layer

comparison gamma and neutron



Neutron events expansion show narrow than gamma events one on front layers

FoCal trigger study plan

- G4 install (done) last week
- Run the basic FoCal G4 simulatin code (done) last week
- Understand the output information (one week)
- Understand the FoCal geometory in G4 Code (a few weeks)
- Make a code to extract the information (ID, position, energy) for each aggregator board (2
- weeks) This week
- understand Minho-san thesis This/Next week
- make a trigger to distinguish gamma and neutron according Minho-san Dr thesis.
 (consider energy, depth, expansion, and etc...)
- plan algorithm how to fire trigger use for physics using aggregator bord information (a week)
- inplement the trigger algorithm (1.5 weeks)
- check trigger performance (efficiency / purity) (energy/hitposition/angle/particle/background)
- (a few weeks)
- make a code to convert energy information to real ASIC information (TOT/TOA/AOD) (2 weeks)
- **-**

Jun