

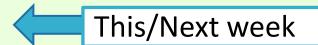
FoCal trigger study plan

- Make a code to extract the information (ID, position, energy (2 weeks)
- Need to increase statistic to estimate distribution and efficiency / purity.
- make a trigger to distinguish gamma and neutron according Minho-san Dr thesis.
 (consider energy, depth, expansion, and etc...)

 This/Next week
- 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)
- ...

FPGA

- Learnning FPGA cording by Open-it Slide
- Understand Grenoble HGCROC code



Jun

Facing G4 install problem

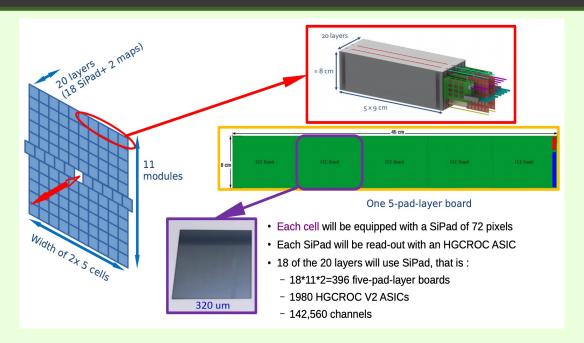
until:

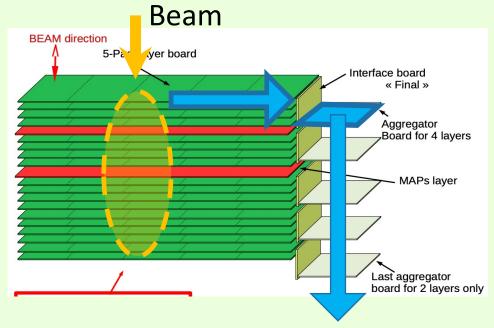
Environment: cern w/o: ALICE setup
G4 otherone setup -> just recent he leave cern

-> need to install G4 own environment or search for the way to Cmake G4 in ALICE setup or local

This week: create my work space to install G4.

role of aggregator board and sum board





- 1. ALICE's main plan is handling the all data by HGCROC and analyse on offline.
- -> It is still plan. This depends on the next SPS beam test analysis.
- 2. As second option, they will use aggregator boad and sum board.

Aggregator board handles some pad information, and select information to send sum board or another system. And sum board handle only few aggregator board information called "crown".

-> I plan to study FPGA for this second trigger.

Kumaoka

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Next week