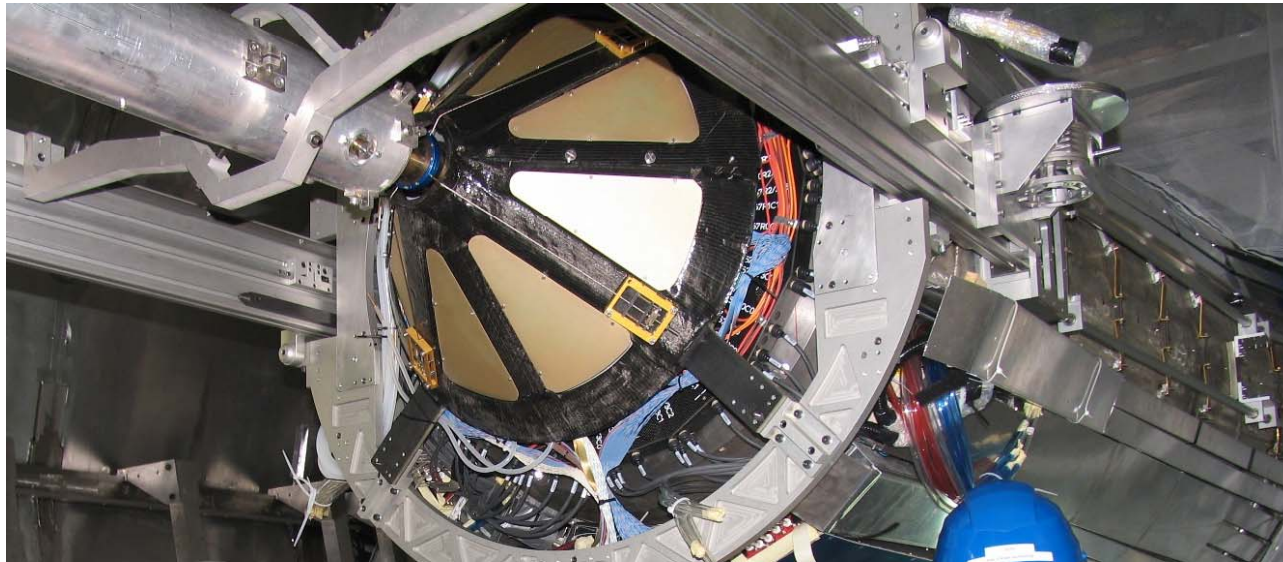
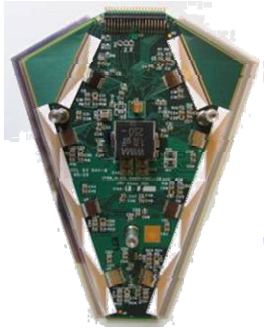


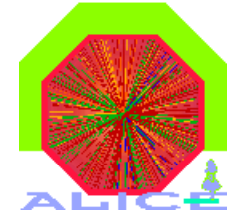
Offline status of the FMD



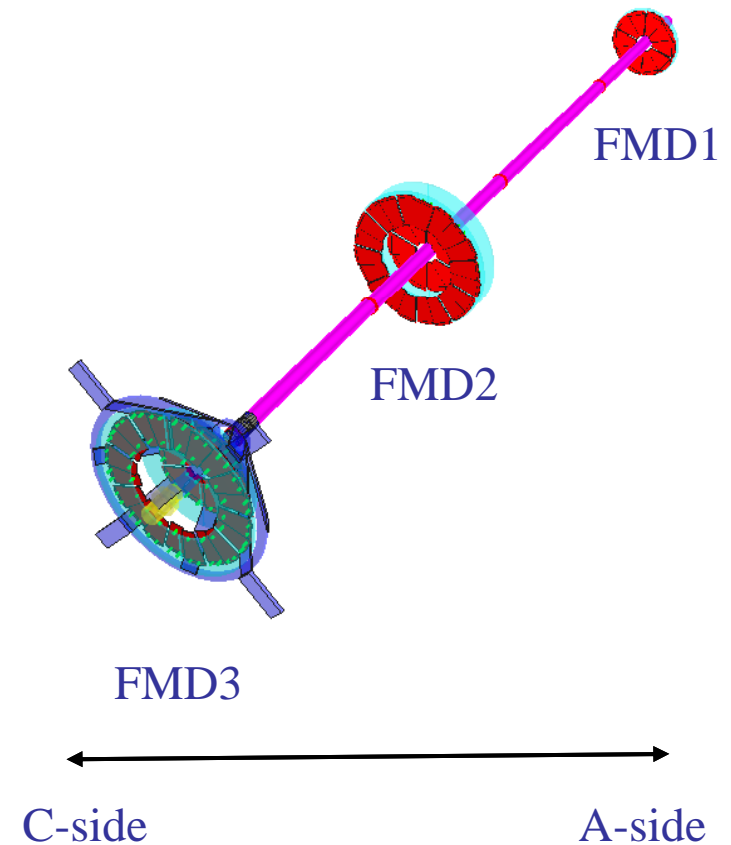
Kristján Gulbrandsen
Niels Bohr Institute

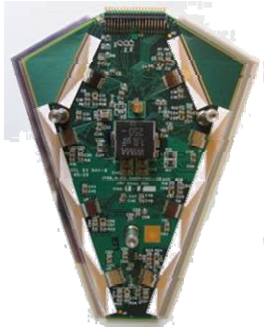


HW Detector Status

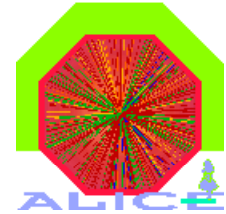


- FMD3 installed
 - fully HW tested
- FMD2 installed
 - initially HW tested
 - Full testing with miniframe (~Nov.)
- FMD1 not yet installed
 - Installation ~Feb.

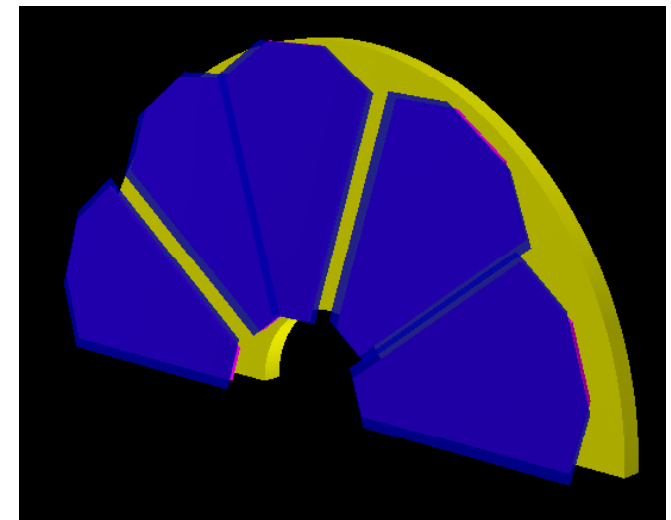
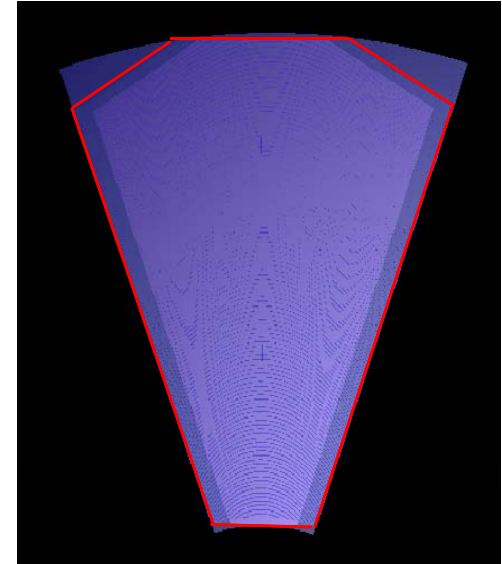


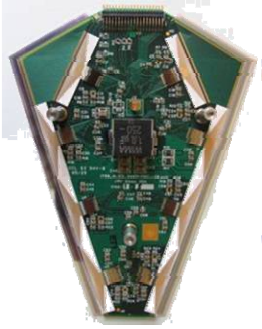


Geometry

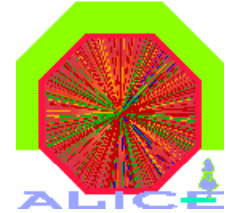


- Geometry consists of **TGeo** objects
- Geometry constructed by half-rings (for alignment)
- FMD3
 - All material described
- FMD2
 - Most material described
 - Some support structure missing
- FMD1
 - Support needs better description
- ~~Check of final positions necessary~~

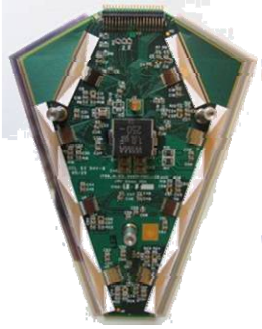




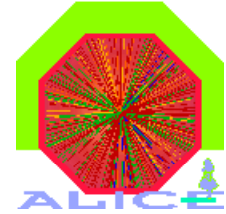
Calibration



- 2 types of calibration necessary
 - Pedestals
 - Gains
- Gains taken in standalone run
 - Procedure implemented on FE Firmware
 - Injects known charge into pre-amplifiers
- Pedestals can be done 2 ways
 - Standalone run with no beam
 - In beam run with past-future protection

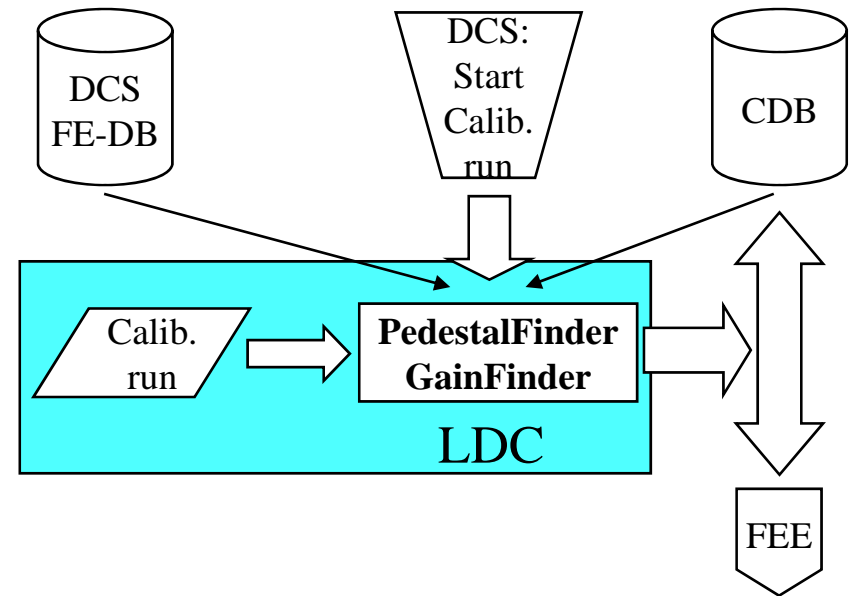


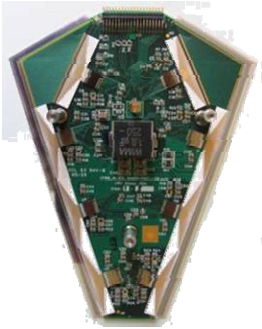
Calibration procedure



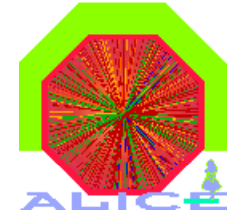
- Pedestal and Gain Finders written for standalone runs

- Ped. - normal run, no beam
- Gain - special run
- Not in Aliroot
- Need info from DCS
 - Fx. Oversampling
- Need DCM from CDB
- Possibly send peds to FEE

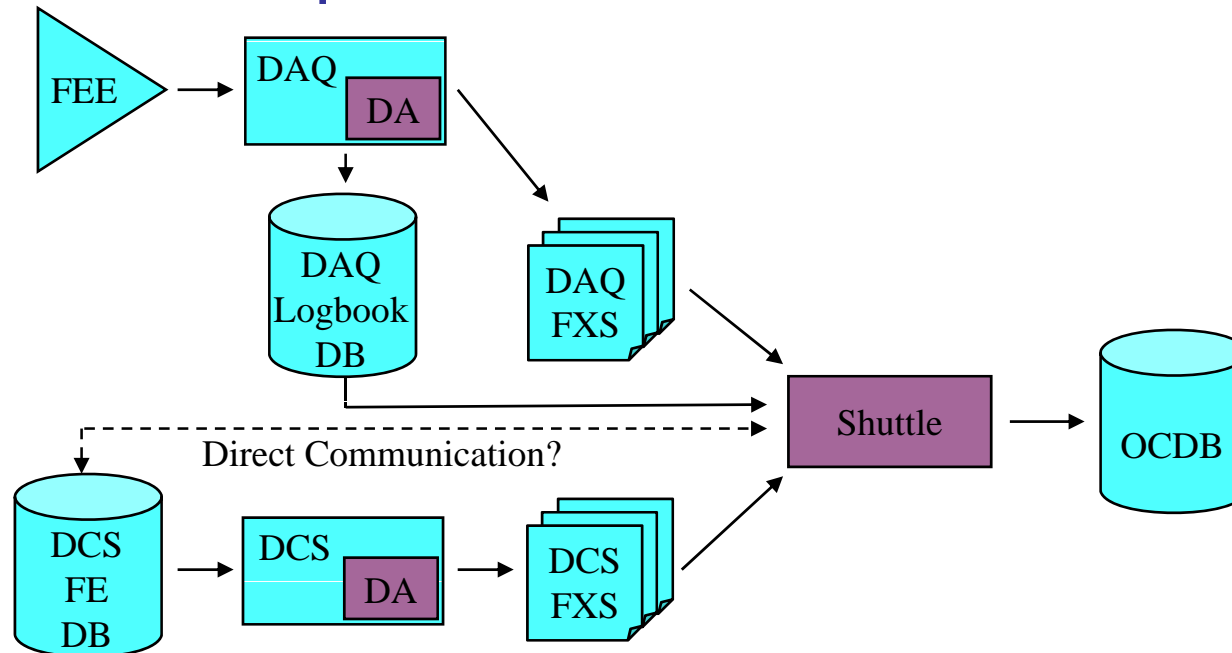


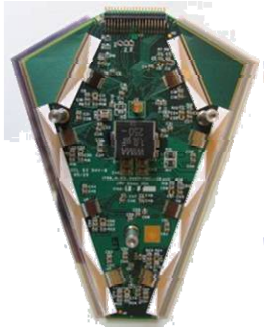


Shuttle

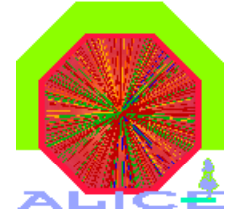


- Fetch files from FXS(s) and put in OCDB
- Interact with DAQ and DCS networks
 - Not clear how to get info from DCS FE DB
- Procedure depends on new RCU Firmware

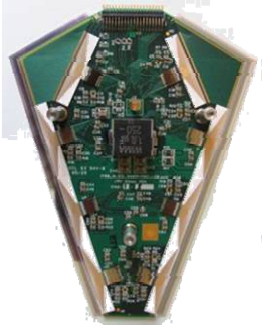




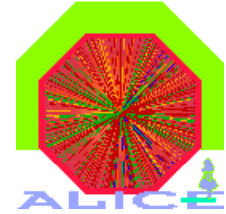
Other Open Tasks



- EVE Display
 - Stands as open task (because we didn't do it)
 - Was this implemented by someone else?
- Digit Quality Assurance
 - Don't know what should be done here - need input
- Survey Data Format
 - Only needed for FMD1
 - Will be done early next year
- HLT output
 - FMD has no HLT output



Planning



- Main goal is to prepare for dress rehearsal
 - Prioritize tasks based on this criterion
- Automatic procedures get high priority
 - For offline shuttle is most important
- Manpower
 - C. Holm must work on Ph.D. thesis until Jan.
 - Offline work hopefully to be done by current research assistant (prospective Ph.D. student)