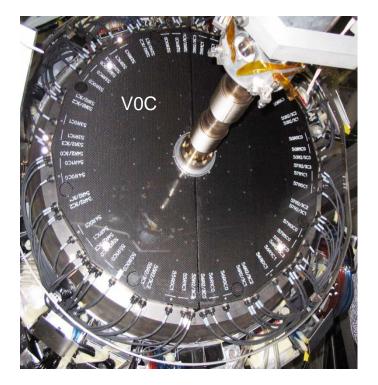
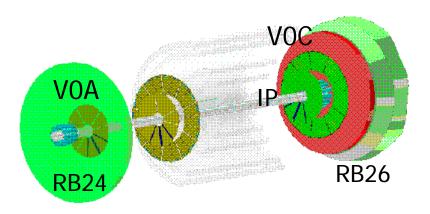
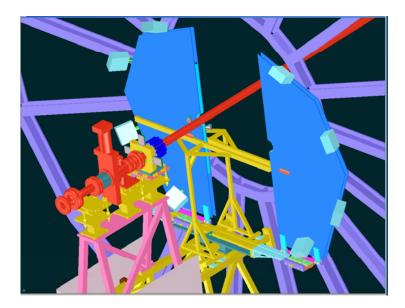
### Example: V0







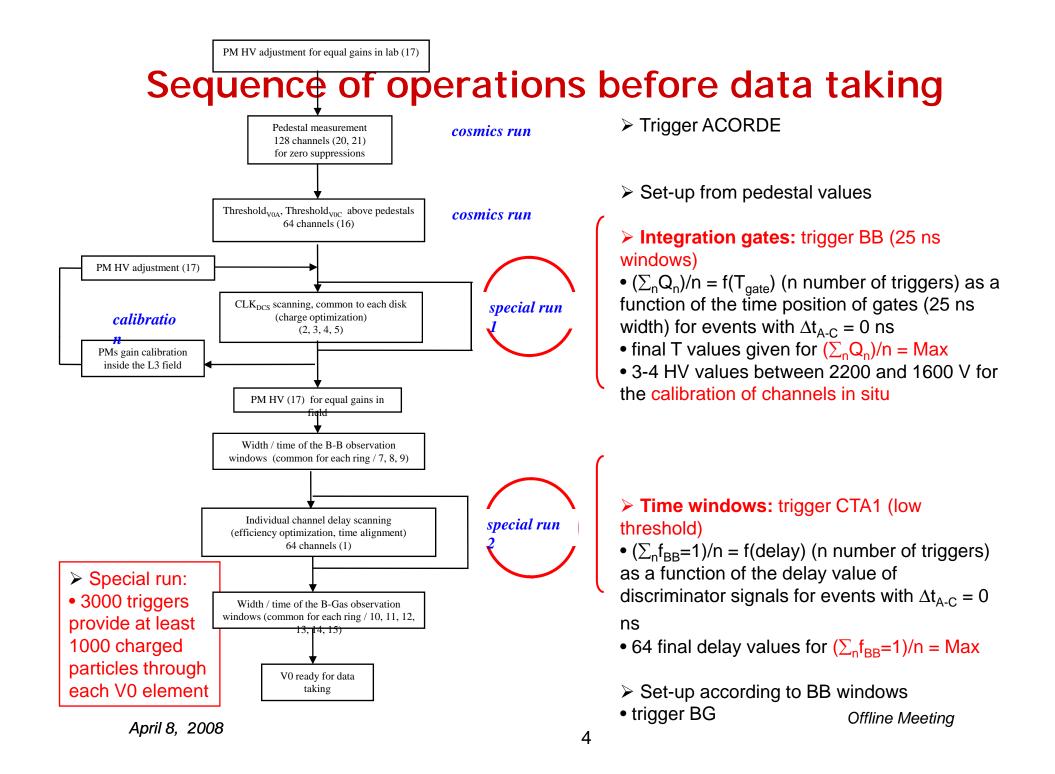
#### Two discs of segmented scintillators readout by 48 PMTs



#### 1. Pre-calibration

- 1. Pre adjustment of High Voltages for a similar gain for channels
- 2. Pre adjustment of timing between L0 signal and Eol (Event of Interest)
- 2. Commissioning with pp collisions

- Adjustments with pp collisions for a precise and final setting of the system:
  - charge integration gates (common to each disk) and 64 channel calibrations in situ
  - individual discriminator signal within time windows (common to each ring)
- Special runs necessary:
  - 3000 MB triggers provide 1000 events per channel for one gate/signal position
  - 20 gate positions and 3 HV values should require 180000 triggers
  - 20 individual delay steps and 3 different widths should require 180000 triggers



- Offline analysis takes time
- Can the analysis be done online by HLT?
  - yes
- What has to be done?
  - V0 DDL into HLT
  - CPU power
  - Infrastructure
  - Running offline code online

- done
- available
- in place
- -> next talk