

ECS

Xavier Vilasís Cardona

- DCS
 - Structure
 - Status
 - Alarms
- News on HV and LEDs
 - See Anatoli's presentation
- Detector monitoring
 - See Jean Luc presentation (+ TVB)
- Global Control Project Integration
- Others
- Plans

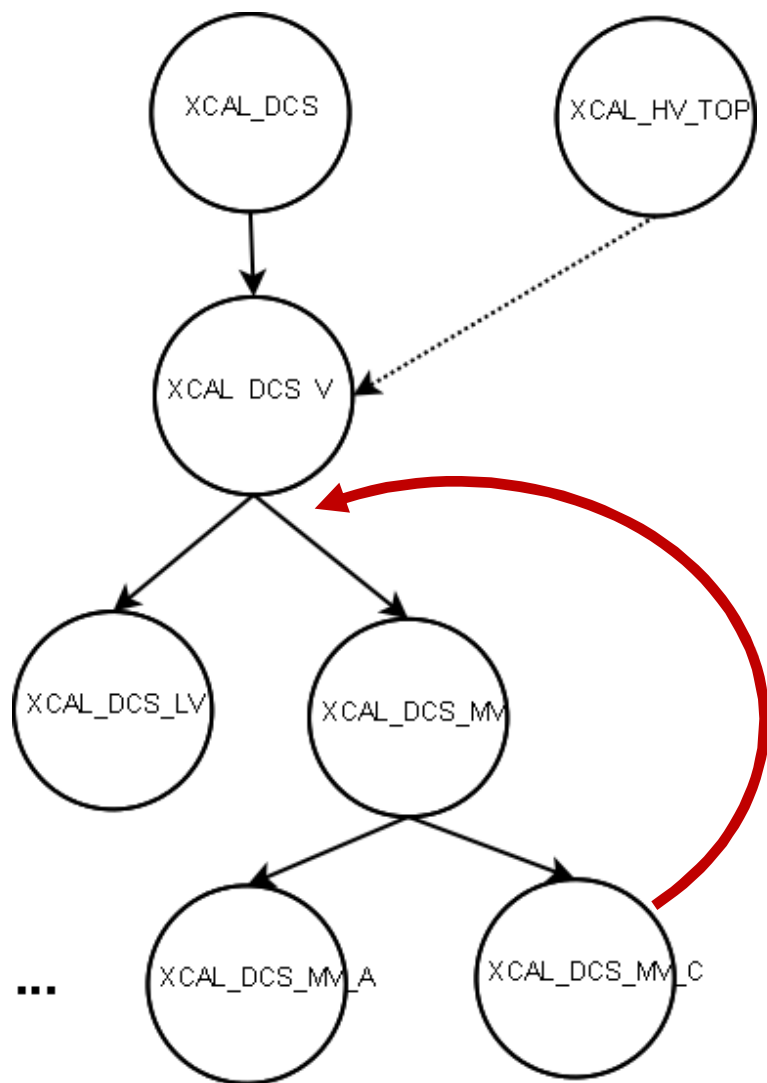
To face detector operation

- We need to reliably
 - Know the detector state
 - Act upon it
- Implied elements are
 - DCS
 - VFE Temperatures
 - Power Supplies
 - Racks
 - Turbines
 - Crates
 - HV

- Temperature controls
 - PS in principle is now functional
 - SPD temperature probes calibrated
 - See Edu's presentation
 - Need to be programmed
- Power supplies
 - SPD regulator board switch on operation in DCS
 - Coherence of current states and actions
 - Study DAI precedence
 - How many RECIPES do we have for LV and MV Power Supplies ?
- Integrate into new DCS tree
 - Changes in the proposed version regarding side splitting

- Establish two levels of detector alarm
 - Started for LVPS for safety reasons
 - Observe values to establish normal detector behaviour
 - Determine two levels
 - Alarm sent to alarm panel
 - Set DU in error
- Discuss and establish automated actions upon alarms
 - Started for LVPS for safety reasons

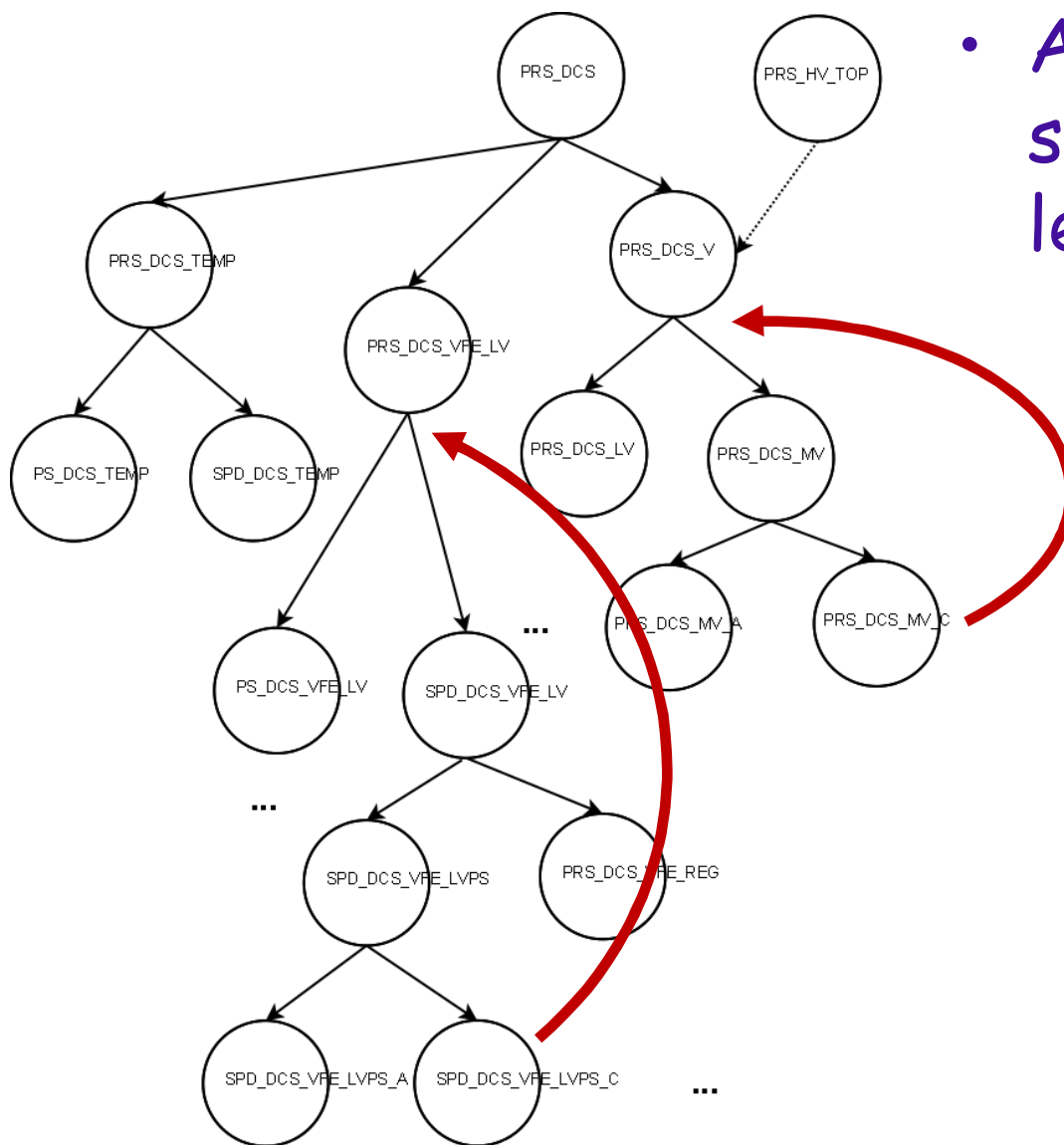
DCS Tree - XCAL



- Keep side splitting at a higher level.

DCS tree - Preshower-SPD

- Again Keep side splitting at higher level



- A nice display tool exists
 - See Jean Luc presentation
 - For rack monitoring and more...
 - Problem : information
- Turbines
 - Is INFDAI reliable enough ?
- Crates
 - Temperatures read and stored
 - TVB, CB, CROC ?
 - Establish coherent temperature matches
 - Alarms ?
 - Actions ?

- First version of monitoring exists through HV calo panel
- Might get more precision through Jean Luc 3D display
- Will HV keep separated from the overall detector operation ?
 - CALO_HV_TOP Control Unit

- Merge CA1, HC1, EC1 and PS1 into a single project
 - Should improve system efficiency
 - Less connections between projects
 - Control Machines better balanced
- A dedicated linux PC exists
 - caecs01
- Clara prepared a component for the migration
 - Thanks a lot
- Everything is ready

- Automated restart of projects
 - Now project start is manual through Service +
- Still waiting for a standard backup procedure
- Radiative Source control



Next
week

- Unified control project
 - In order to setup the DCS structure changes in the new project

Week
After
Firenze

- DCS
 - Set up new structure and special logics
 - Confirm coherence of states and actions
 - Establish order with respect to DAI

Along
GCW

- Detector Monitoring
 - Display detector information on the Control Room
- Alarm levels

When
Available
ASAP
after
DCS

- DCS
 - Decide Threshold values
 - Program them
- Crates
 - Decide Threshold values
 - Program them

- Follow
 - SPD VFE temperature
 - Radiative source
 - Decision on automatic project startup
 - Automated backup procedure
 - Move CRACKMON project to 3.8 and test
 - Before GCW
 - Values for alarms