



Outline



- Condition Database framework:
 - > Time scale: see Latchezar Betev's presentation
- Detector reports:
 - > Updates of user requirements
 - > Code status and plans

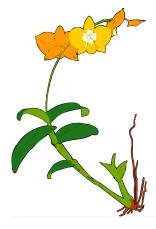


- > Note:
 - > EMCAL: did not report
 - > CRT: did not report

Magali Gruwé CERN PH/AIP



- Note of caution:
 - > Pedestals issue: see Latchezar Betev's presentation





Update of user requirements (I)



ZDC:

- > Calibration objects:
 - > More details given
 - > Slight changes in size and access frequency
- > Access to external data:
 - > Need information to:
 - > Eliminate runs clearly not good for physics analysis
 - Precisely determine groups of runs with similar conditions
 - > Need:
 - > Specific ZDC DCS information:
 - > HV (to determine mal function of the detector)
 - > Non-ZDC information:
 - > Currents in the beam line
 - > This kind of machine information should be sent to DCS



Update of user requirements (II)



TRD:

- > Requirements updated:
 - > Calibration/alignment objects known (a few more objects than before)
 - > Update frequencies defined
- > Still missing: do you need access to extra information? (DCS? Machine?...)

> T0:

- > Calibration objects needed in reconstruction:
 - > For each channel:
 - > Time delay
 - > Time versus amplitude curve
- > Full list of objects still unclear
- > Still missing: do you need access to extra information? (DCS? Machine?...)



Update of user requirements (III)



TOF:

- > List of calibration objects updated
- > External databases:
 - > Thought about
 - Preliminary information given
 - > ... but detailed requirements to be defined

> RICH:

Details about the calibration objects

List of data to be collected from external databases, including frequencies.

Update of user requirements (IV)

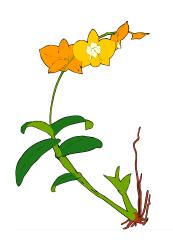


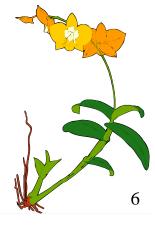
MUON:

- > No (little) change.
- > External databases:
 - > Confusion wrt pedestals (see Latchezar's presnetation)
 - > ... to be sorted out.
- Other external database access?

> TPC:

- > More details about
 - > The calibration objects
 - > Access to external data (DCS)
 - > Update frequency







Update of user requirements (V)



PHOS:

No (little) change

> PMD:

> No (little) change

> ITS:

- > SDD maps compression → smaller size (possibly)
- > Still unclear to me which external databases need to be accessed, which data need to be retrieved



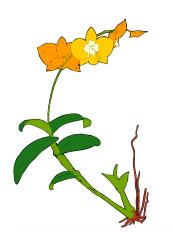


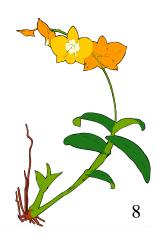
Update of user requirements (VI)



FMD:

- > No (little) change
- > External database:
 - > DCS information required
 - > But:
 - > Is that really DCS information?
 - > Pedestals issue to be sorted out...
- > V0:
 - Nothing done







Code Status and Plans (I)



ZDC:

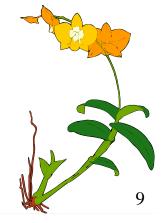


- Simulation: framework ready for testing calibration procedures
- > Calibration classes: prototype ready
- > To be done:
 - > Implement creation of calibration objects
 - Use of the calibration objects in the reconstruction
 - > **→** When????

> TRD:

- Calibration parameters known
- > Procedures known
- > Have to start using the official tools!!
- ➤ When????







Code Status and Plans (II)



T0:



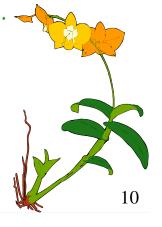
- > First implementation of calibration classes done
- Need to include calibration procedures in reconstruction code
- > Calibration/Decalibration: to be done in November

TOF:



> Calibration algorithms currently being developed

- > Condition DB framework not used yet.
- > We will have technical discussions early next week...
 - > About the framework itself
 - > About external databases
- Framework will be tried soon after.





Code Status and Plans (III)



RICH:



- > Some calibration classes:
 - > Some are implemented
 - > Some to be implemented still
 - > When????
 - > For some: need access to external databases to continue work
 - > How to access DCS?
 - > How to access DCDB?





Code Status and Plans (IV)



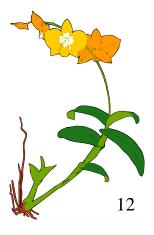
MUON:

- Needs for calibration DB defined
- > Implementation to be done
 - > Within the next few weeks (?)



TPC:

- Some calibration/decalibration procedures known (Vdrift), some still unknown (ExB)
- > What about
 - > Implementation of the calibration classes?
 - > Use of the CDB framework?
- Time scale????





Code Status and Plans (V)



PHOS:



- Calibration procedure is implemented within CDB framework
- Move to new version of CDB framework as soon as possible
- > Part of Data Challenge 2005 (?)

> PMD:

- > Calibration procedures known and tested
- > ... but not in the AliRoot framework
- > Foreseen by next Offline week.





October 7th, 2005



Code Status and Plans (VI)



ITS:





- > Preprocessor class for noisy channels calculation ready
- > SDD and SSD:
 - Preprocessor classes to be written
- > Calibration data to be used in reconstruction
- > When????

> Need to exercise system of calibration procedures





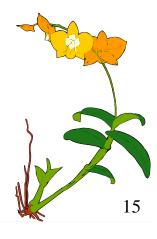
Code Status and Plans (VII)



VO:

- Nothing done yet
- > Calibration implementation planned before the end of the year.







Conclusion



- > We had very useful discussions during the whole week
- > A lot of work to be done
- > Let's try and meet the deadlines



