
Production Status Report

Planning and Suggestions

Catalin Ristea, Latchezar Betev



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Production operations

- Moving fully to an 'Institutional responsibility' schema
- The production of MC/RAW/Refiltering will be handled by Institute for Space Studies (ISS), Romania
- Project leader – Catalin-Lucian Ristea
- MC/Refiltering is fully handled by ISS since more than one year
- RAW is on its way...

Some figures

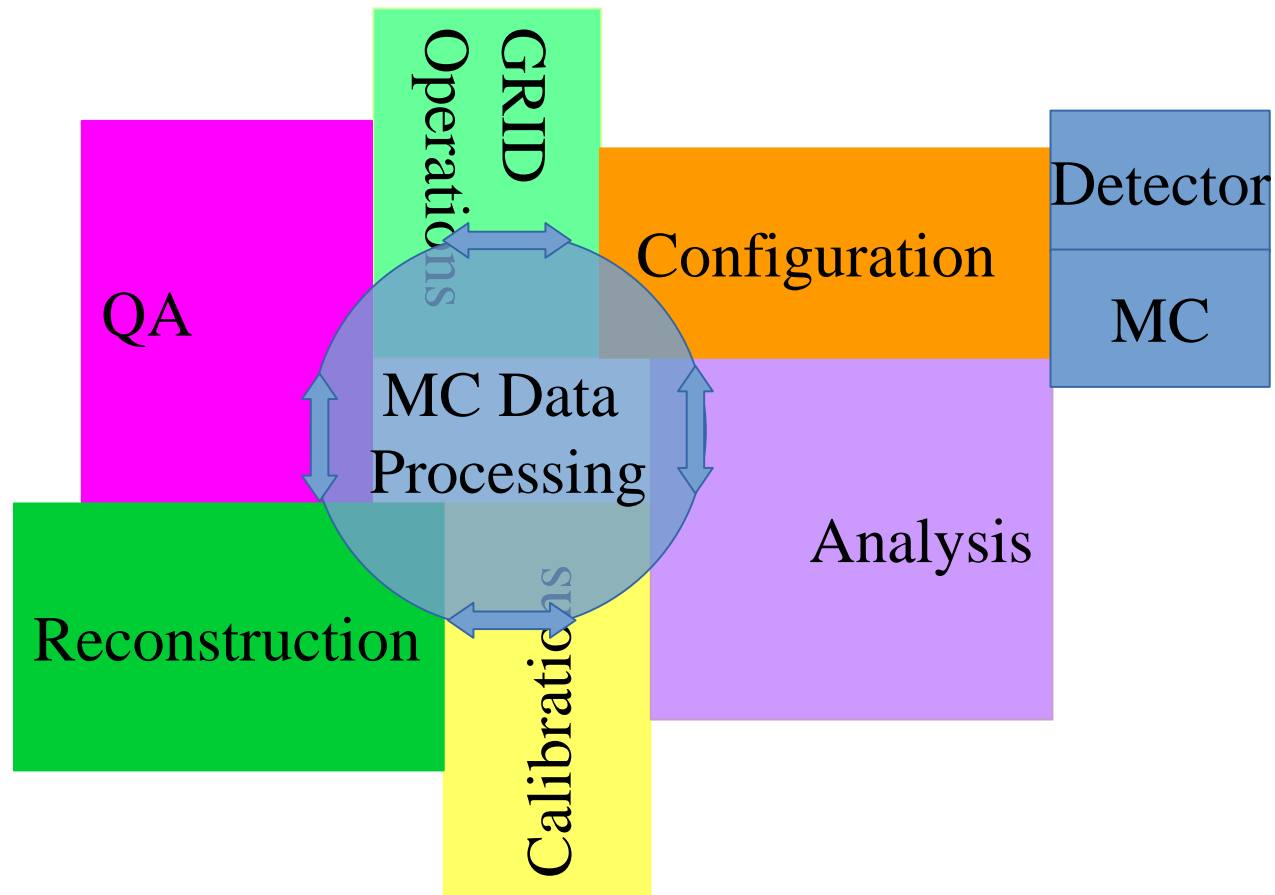
*Since the beginning of 2016...
... as aliproduct*

- ◆ **8,000,000** jobs have been managed (13.5 Mio jobs in total, ~70% MC productions, 6% error rate)
- ◆ **~471,877,945** events processed, **4068** years running time
- ◆ **1 PB** data size (x2 by replicas)
- ◆ **14** productions managed (MC continuing & new & unfinished + Refiltering AOD)

...Overall, things are running pretty smoothly, need to be careful not to break the machinery



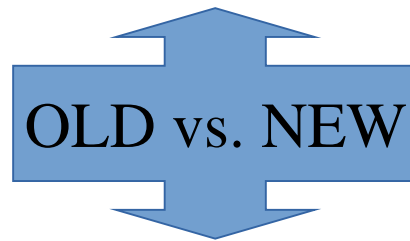
The “Battlefield” :)



Have **clear** names for the key positions for each of the blocks, as it necessary to have
Good communication at **SETUP** ↔ **Running** ↔ **Validation** stages

Organization

- ◆ **MC department** to deal with various stages of the productions
- ◆ Preparation – simulation, detector configuration
- ◆ Anchored data preparation – in terms of OCDB calibrations



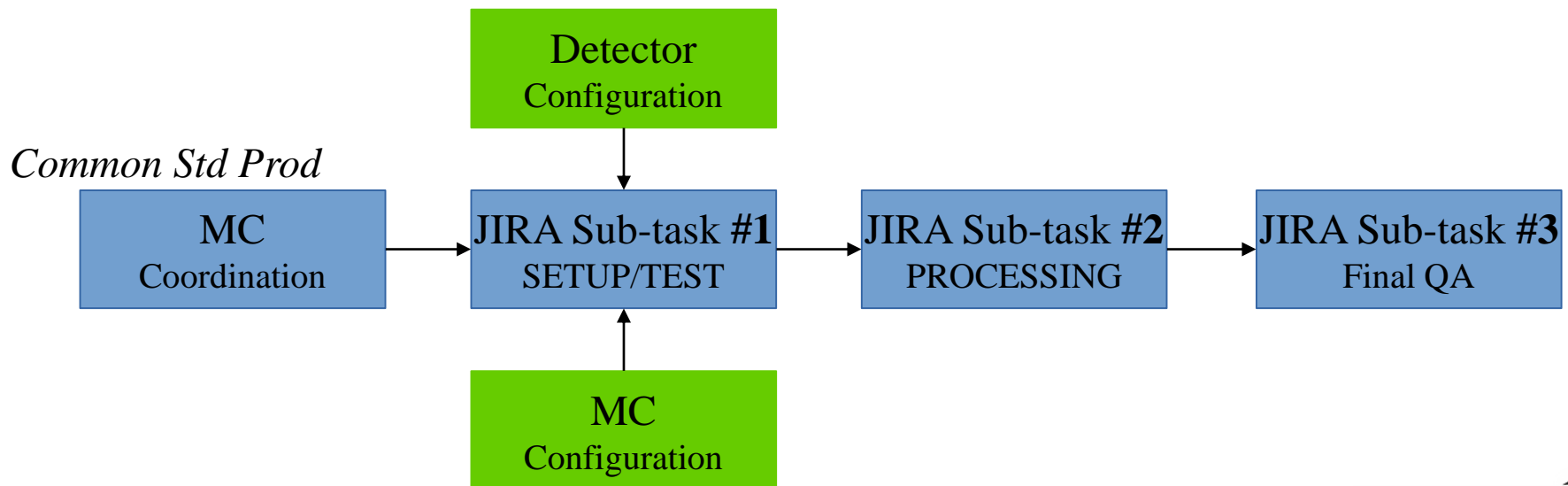
If somebody asks about **what settings should use**, what is the answer?

1. Take a similar production...
2. Some pages from experts where to look for certain settings
3. Initial requests are either based on prior experience, or looking around... could be better?

Is this workflow optimal?

UnClutter JIRA

- ◆ Most of the common productions are having **~200-300** comments in JIRA → *we need better planning*
- ◆ Hard to find pieces of informations
- ◆ Need to reorganize it?

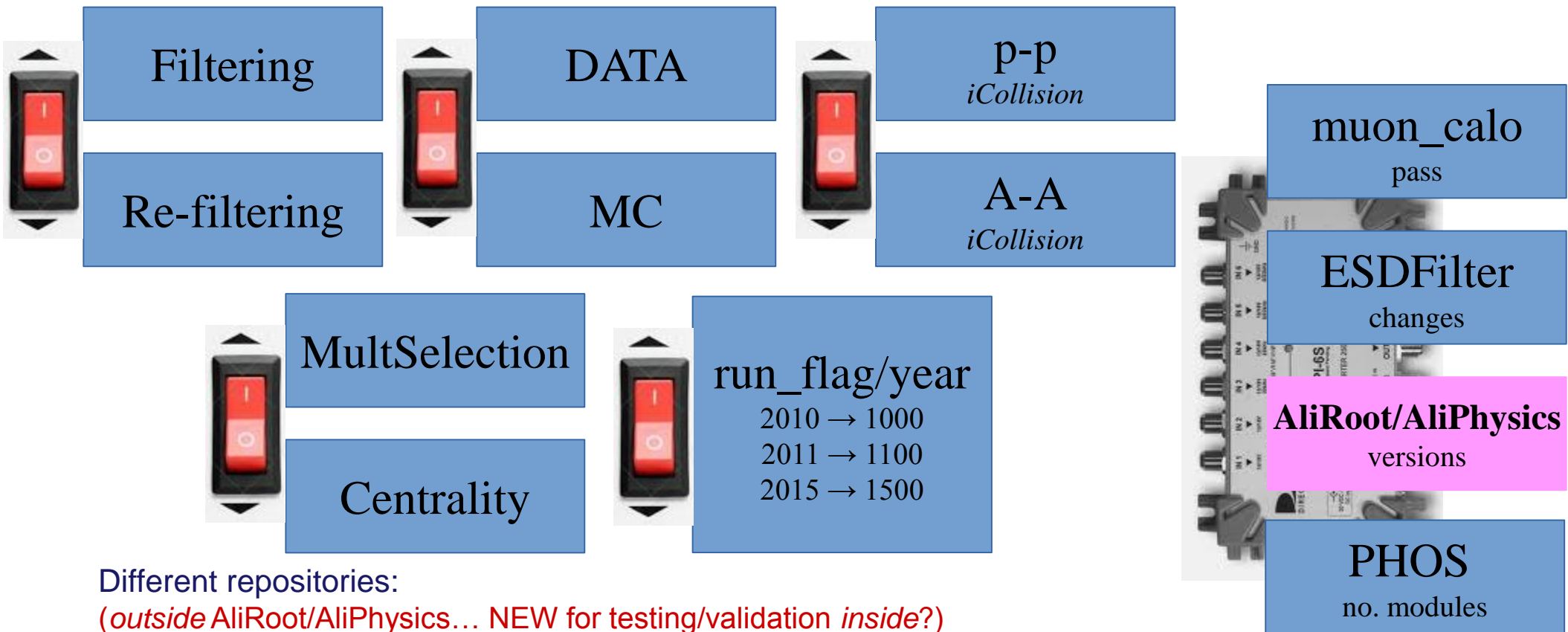


Good things happening

- ◆ Preproduction MC database – better selection, moving around
- ◆ Planning in advance because detector experts could be overwhelmed with requests
- ◆ Testing and validation of both macro on different datasets
- ◆ Automatic trending and QA
- ◆ MonALISA improvements
 - Grouping by error types (cherry bomb)
 - Faster “Job types” tab



Macro for AOD (re)filtering and QA



Different repositories:

(*outside AliRoot/AliPhysics... NEW for testing/validation inside?*)

- ◆ For each period of data taking **OK**
- ◆ Too many switches → reduce to run#, GRP, ENV...

MC for each AliRoot/AliPhysics versions (AOD/QA pp & AA for MC, may be different data anchored → needs separate versions → prone to errors)

Simple multiple versions ↔ **One single complex version**

(*when there are too many simple versions, better a complex single one...*)

infamous
periodName
appearing from time to time

Thank you!

