CentOS7

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ADC weekly

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Middleware status

- OSG distributes CentOS7 middleware

- EGI has now an rpm in the UMD testing repositories MWREADY-135

  - UMD CentOS7 testing repository

  - YUM repo file

  - No need to go through recipes to get the rpms in place

    - But they've requested feedback for what is missing

    - Feedback on the ticket above is welcome if you test the repository

Current testing

- Sites
  - OSCER and ECDF are now running production SL6 jobs
  - TRIUMF is testing and doing a lot of validation
  - Australia-LCG2 has now the resources in place to start testing too.

Site	Tier	Cloud	Analysis	Single core	Multi core
Australia-ATLAS	T2	CA	-	-	-
OSCER	T2	US	-	online	online (sim only)
TRIUMF-LCG2	T1	CA	-	test	test
UKI-SCOTGRID-ECDF	T2	UK	-	online	online

- You need to create a new Panda Site for testing
  - Please add SL7 to the queues to easily identify them
  - SW validation
  - HC tests
 - And SL5 releases will not work on C7 nodes

- In the future it may not be needed
  - SL5 rel will need to be cleaned up though

ATLAS SW Status

- ## SL6:
  - Analysis: HC are successful but the output still needs to be checked ATLASG-716
  - Production: pre compiled executables work.
    - Evtgen, derivation have been tested
    - Simulation and reco have been also validated on the grid.
- ## CentOS7:
  - Work on native releases is ongoing

Simulation validation
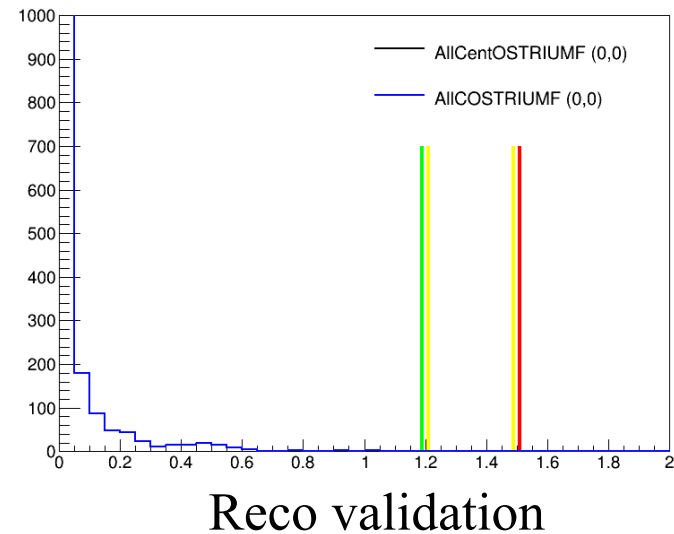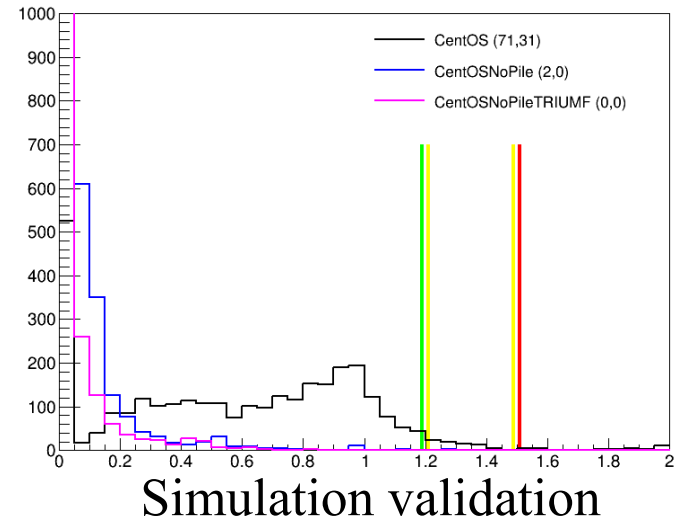
Reco validation

More detailed validation plots in Jose test space

Containers @RAL

- RAL is moving towards running services inside containers, controlled by Mesos.

  - Some services already migrated (FTS and Squid).

  - Batch Farm will be entirely migrated by April next year.

  - C7 machines will run "SL6 WN" inside containers.

  - Ceph requires RHEL7 (or equivalent).

- What works?

  - ATLAS, CMS, LHCb and ALICE jobs.

- What doesn't work?

  - RFIO (We switched any jobs still using this to XrootD/Gfal2)

- For full detail see Andrew Lahiff's CHEP presentation

Recommended?

- Moving the WNs to CentOS7 is **NOT** yet recommended.
  - Testing appreciated though
- If you have to move because you don't have control over the resources **please don't setup the nodes without telling us.**

Information

- CentOS7 Readiness twiki

- Problems and tickets tracking: ADCINFR-11

- We have now an e-group for sites who want to test to use for communication.
  - atlas-adc-centos7@NOSPAMcern.ch

- Any other question I&F coordinators
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