

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

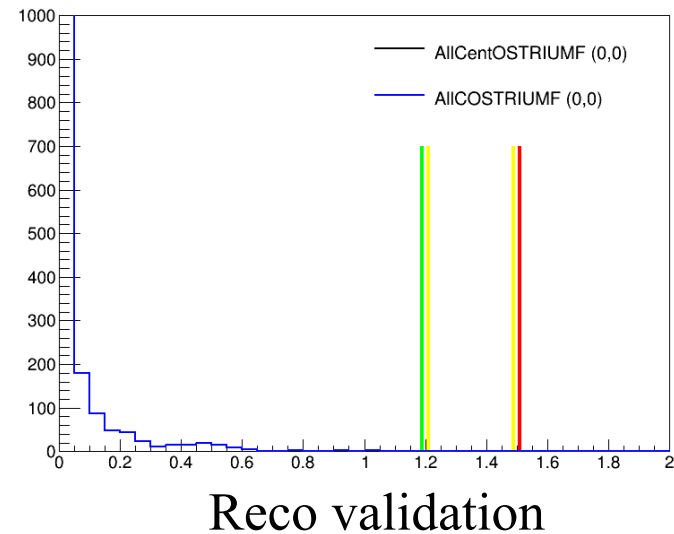
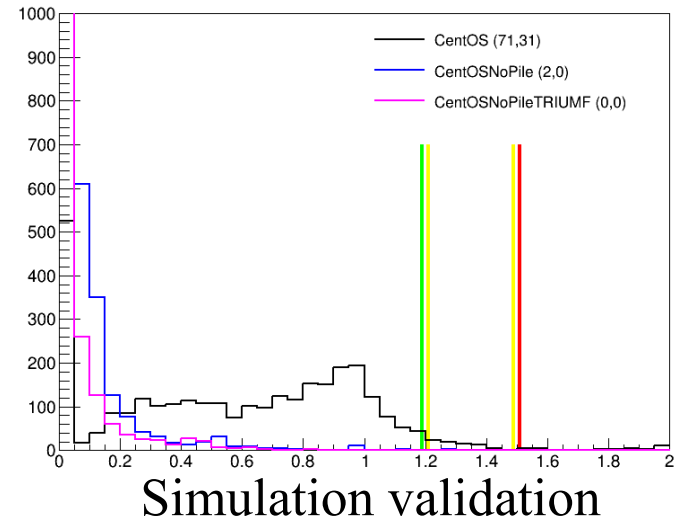
- In the future it may not be needed

- 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



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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