

LIM, September 23, 2024

Connected/present: André Sailer (Chair), Attila Krasznahorkay, Bertrand Bellenot, Dmitri Konstantinov, Ewelina Lobodzinska, Giulio Eulisse, James Catmore, Johannes Elmsheuser, John Chapman, Liz Sexton-Kennedy, Marcin Nowak, Marco Clemencic, Reiner Hauser, Stefan Ghinescu

Apologies: Ilias

Indico: <https://indico.cern.ch/e/1455177>

Next Meeting: October 7, 2024

1 Nightlies

Andre reported on the changes in the nightly builds. As new or resurrected packages, As a resurrected package log4cpp 1.1.4 ([SPI-2649](#)) made a comeback. cln 1.3.7 was added on request by ATLAS ([SPI-2647](#), [SPI-2650](#)), and nanobind 2.1.0 ([SPI-2654](#)) was added as well on user request.

In terms of updated packages dev4 was changed to the recently release ROOT 6.32/06 ([SPI-2607](#)). DD4hep 1.30 and EDM4hep 00.99 were updated. coffea 2024.8.3 was updated ([SPI-2645](#)). RooUnfold was finally updated to version 3.0.5 ([SPI-2651](#)) following to avoid clashes with ROOT TUnfold headers. Davix was enabled on macOS ([SPI-2653](#)). In view of regularly updating some packages Geant4: 11.2.2, gdb 15.1, ruff 0.6.7 and xrootd 5.7.1 were updated, and finally a number of generators were updated to align with updates from ATLAS layer requests: collier 1.2.8, madgraph5amc 3.5.5.atlas11, vbfno 3 (from beta5), FORM 4.3.1, recola_SM 2.2.3 recola 2.2.4

Andre also reminded the LIM that a dev3python312 stack was building build from [L2308](#), and while it does not yet build all packages – openloops and gosam were having issues with Python 3.12 – packages are available each night. However, there are still a large number of tests failing as well.

ATLAS reported that they attempted to build their stacks, and only a few issues left, like missing generators linked to those reported above.

Andre finally stated that gcc14fp builds of dev3 and dev4 were available. LHCb said that they would like a dev4lhcb build with gcc14fp as well, which was enabled after the LIM.

2 Releases and Layers

In view of new releases, Andre reported that LCG_106a ([SPI-2607](#)) was not yet deployed, but that in view of the new ROOT tag 6.32/06 and some issues reported by users the deployment was postponed.

With respect to LCG_106_ATLAS_11/12 ([SPI-2647](#)) ATLAS stated that they have picked up these layers.

3 Other Issues

Andre reported on an issue with the *latest* view where CVMFS sometimes seems to overwrite previously published link changes ([SPI-2652](#)).

4 AOB

4.1 LHCb

LHCb reported that the Rapidyaml requested in [SPI-2616](#) looks OK for them, and that they have a work-around in LCG_105 so that the existence of rapidyaml in any future LCG_106a release is sufficient and that the ticket can be considered resolved.

LHCb also reported that Gaudi v39r0 was tagged. This means for updating Boost to 1.86 in dev3 that ATLAS will incorporate the new Gaudi and report in [SPI-2635](#) as soon as they had a chance to update in confirm things are working.

4.2 ATLAS

NTR

4.3 ROOT

Bertrand reported for the ROOT team that the release was mainly for the new macOS release.

4.4 ALICE

ALICE has tried the new ROOT tag and thanks the ROOT team for it.

4.5 NA62

NTR