

LIM Minutes 03/04/2018 (CERN)

Present: Javier Cervantes, Ben Couturier, Marco Clemencic, Charles Delort, Gunter Folger, Gerardo Ganis, Patricia Mendez, Marcin Nowak, Emil Obreshkov.

Phone: Ivan Razumov

- LCG releases

- No new LCG releases are expected until the next ROOT tag and this will happen in May. Then we will go for LCG_94. No release expected before the end of May (at least).

- New packages, versions and compilers

- clang50: Builds debug operations ongoing.
 - COOL and CORAL will also have to accommodate to clang50 builds
- Geant4 patch version for 10.4 already available → Already included in the builds
- Apache-arrow requested by Alice already provided
- 2 generators/new versions have been provided this week by the genser team.
- Blas package:
 - Differences between SLC6 and Centos7 distributions in terms of blas provision
 - agreed with the experiments, both OS will have HEP_OSlibs as part of the build infrastructure
 - In agreement with ATLAS, Andrea Valassi removed the blas package from the distribution (LIM was not aware though)
 - The ATLAS package distribution that is part of HEP_OSlibs has different configurations for SLC6 and Centos7: While in SLC6, ATLAS provides libcbblas and libf77blas, the same package does not provide any blas library in Centos7. As result of the pst two statements, the SFT build systems were still providing some libraries for blas in SLC6 and nothing for Centos7.
 - ROOT needs to build against blas for TMVA. Therefore we have all agreed on the following points:

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- SPI provided blas in the latest version as part of their builds
- ROOT will build again the blas version we provide independently of the OS.
- A new dependence therefore in blas has been included for the ROOT builds.
- The Hepmc3 binaries have been excluded from the views for both nightlies and releases because they enter in conflict with Hepmc binaries. However, while Pythia8 needs hepmc binaries, FCC requires Hepmc3 ones. Therefore, Javier will contact the developers to change the name of the binaries and allow the coexistence of both packages into the views.
- **ARM machines status**
 - Patricia is having a meeting with Tim Bell to talk about the status of these nodes
 - Note after the meeting: Due to some discrepancies between the information that IT has and the messages passed to the LIM, Patricia has sent a common email to both IT and LIM representative to foster a common forum to deal with this request in common
- **Incoming Librarian WS**
 - **Date already closed: 30th of May at CERN.**