

# LIM, August 1, 2022

Connected/present: André Sailer (Chair), Andrei Kazarow, Ben Couturier, Bertrand Bellenot, Ewelina Lobodzinska, Gerardo Ganis, Harald Hansen, Marcin Nowak, Pere Mato, Reiner Hauser  
Apologies: Marco, Johannes, Giulio, Dmitri  
Indico: <https://indico.cern.ch/event/1186423/>  
Next Meeting: August 15, 2022

## 1 Nightlies

- New packages: torch\_cluster 1.6.0 ([SPI-2198](#)), RooUnfold 3.0.0
- Updated packages: Boost 1.79 ([SPI-2140](#)); Gaudi v36r6 (dev4 only, dev3 is master); DD4hep 1.21, CMake 3.23.2, Davix 0.8.2 (gcc12)
- Removed: libxkbcommon (needed by Geant4/QT5, moved to HEP\_OSlibs)
- Recipes: Sherpa now hepmc2 only ([SPI-2183](#))
- gcc12, clang14 available in contrib
- gcc10, gcc10fp builds: can they be stopped?
- Ben: gcc10 and gcc10fp nightly builds no longer used by LHCb and can be stopped.
- Rainer: gcc12 dev build would be nice
- Andre: is work in progress and will be there shortly

## 2 Releases and Layers

LCG\_102

- All done
- gcc12 equivalent desired? (would be some version difference though)

LCG\_102\_ATLAS\_2

- centos9 build also in process

LCG\_101\_ATLAS25/26

- Superchic 4.14, first needs to be tested/compiled
- Does this need both HepMC2 and HepMC3 layers?
  - Ewelina: for the moment only HepMC2 layer needed

Planning for LCG\_102a

- ROOT 6.26.06
- Geant4 xcb fix
- Latest DD4hep
- Latest cuda (for cuda build)

### 3 Other Issues

- [SPI-2194](#): RPM compression, moved to xz2 everywhere, no more work from SPI side for the moment
- [SPI-2193](#): Geant4/QT and XCB
- [SPI-2200](#): Cuda 11.7 (will eventually go to dev[34]cuda)
- Bertrand: Issue with gcc10.4, so be aware (see email circulated after the meeting)

### 4 AOB

#### 4.1 ATLAS

- Missing xcb/QT5 plugin from Geant4 affects ATLAS online
- Andre: Should be fixed in dev4 already, please try and let us know [SPI-2193](#)

#### 4.2 LHCb

- LHCb has an issue with root 6.24 branch, issue with radlen/intlen computation, which are now fixed with a patch (<https://github.com/root-project/root/pull/11060>) to 6.24-patches.
  - Will request LCG\_101a once patch backported and tagged
  - Also including latest DD4hep at that point

#### **4.3 ROOT**

#### **4.4 SWAN**

N/C

#### **4.5 NA62**

N/C

#### **4.6 BE**

N/C

#### **4.7 ALICE**

NTR

#### **4.8 CMS**

N/C

### **5 Next meeting**

August 15, 2022