# LIM, 7 July 2020

*Vidyo only meeting following CERN directives to face coronavirus crisis.*

*Present*: D Konstantinov, A Kazarov, E M Lobodzinska, D Castro, G Eulisse, G Ganis (chair), I Razumov, G Folger, S Muzaffar, M Clemencic, E Moyse, R Hauser
Agenda: https://indico.cern.ch/event/936963/
Next meeting: 21 July 2020

# Status of Things

## Nightlies

*New/upgraded packages*
OCaml 4.10.0, Podio 0.10, Rivet 3.1.2, YODA 1.8.3, Alpaka 0.5.0, Boost 1.7.3.
Build generators with simultaneous support for HepMC2 and HepMC3 (photos++, tauola++)
ROOT 6.22/00 on dev4 (including a patch supposed to address ROOT-10872; but M Clemencic claims that the problem is still there; being investigated).

## LCG_97a

Fixed HepMC3 version mismatch 97a-97apython3; fixed location of RPMs. Commissioned three new layers: 97a_LHCB_1, 97a_ATLAS_1, 97a_FCC_1 . Now in the pipeline: 97a_LHCB_2, 97apython3_LHCB_2 (with different combination of generator versions) and, possibly, py3cu10.

## LCG_98

ROOT 6.22/00 tagged and an patch for the LHCb blocker included in LCGCMake (still needed to verify the effectiveness; see above). The epic SPI-1637 overviews what is still missing. We also plan the following updates:

gdb 9.2, xrootd 4.12.3, tbb 2020_U2, fastjet 3.3.4, Cython 0.29.20, Python 2.7.18, OpenBlas 0.3.10, sqlite  3320300, Davix 0.7.6, libgit2 1.0.1, jsoncpp 1.9.3, cppgsl 3.1.0, valgrind 3.16.1, feynhiggs 2.16.0, log4cpp 2.9.1, XercesC 3.2.3, TensorFlow 2.2.0, lhapdf 6.3.0

Which will be tried in the nightlies. A fix for SPI-1659 will also be tested in nightlies.
As usual, the content is defined by dev4. The differences wrt LCG_97 can be checked here.

CentOS8, Ubuntu 20 almost done, hopefully merged soon in dev4.
LCG_98 will feature gcc 10 builds, though not yet in dev4.

## AoB

*Updating old releases (SPI-1653)*
Adding HepMC 2.06.11 to LCG_88b more difficult than anticipated; in progress

*Residual 'grid' packages required by ROOT*
The 'grid' packages dcap, gfal, srm-ifce will be removed. They are available in EPEL.

*Intel OneAPI basic*
Central installation of Intel OneAPI basic provided Openlab at

/cvmfs/projects.cern.ch/intelsw/oneAPI/linux/x86_64/2021/inteloneapi/

The version is 7 beta. Most of the libraries are built with gcc 4.8.5: need to investigate if this may have consequence for integrated builds.
To schedule any possible use for test builds it would be good to know what are the experiments plans about this.