LIM, May 23, 2022

Connected/present:	André Sailer (Chair), Andrei Kazarov, Bertrand Bellenot, Dmitri Konstantinov, Gerardo Ganis, Guilherme Amadio, Harald Hansen, Ilias Goulas, Johannes Elmsheuser, Marco Clemencic, Nicholas Styles, Reiner Hauser
Apologies:	Giulio
Indico:	https://indico.cern.ch/event/1162844/
Next Meeting:	June 20, 2022

1 Nightlies

dev3/dev4

- New Packages: synr 0.5.0, pyshtools 4.10 (SPI-2153, astropy 5.0.4, extension_helpers 1.0.0, pooch 1.6.0, xarray 2022.3.0)

- Updated Packages: pip 22.0.4 (SPI-2154 Python 3.9.12 (from 3.9.6), typed_ast 1.5.3), xgboost 1.6.1 (SPI-2164)

- aarch64 build: git

- Root: enabled SOFIE (SPI-2158)

- Added ROOT_INCLUDE_PATH pointing to `${Vc}/include` to Vc and some environments for tests (Gaudi, DD4hep)

dev[34]cuda:

- Updated packages: python 3.9.12 (from 3.8.6 (sic!)), TensorRT 8.4.0.6

- ONNXRuntime: added GPU support (SPI-2144)

- New Packages: tvm, llvmmin 14.0.3 (SPI-2145)

2 Releases and Layers

- LCG_88b
  - New generator versions added: SPI-2147, SPI-2157, SPI-2161

- LCG_101_ATLAS_21/22 (SPI-2148)
  - Johannes will ping on the ticket if everything is there, and it can be build

- LCG_102 (SPI-2062)
  - Final touches to fix some failing tests and allow ubuntu22
  - ATLAS and LHCb are willing to test the next release candidate. LHCb can test the base release RPMs. Reiner to check for ATLAS.

3 Other Issues

- Contrib (SPI-2160): added new GNU make

- Julia (SPI-2163): re-establish link to Julia registry mirror in CVMFS

- Views now include doc folders in deeper levels (needed by pyshtools)

4 AOB

4.1 ATLAS

Johannes:

- Trying to get centos9 build of the ground, obtaining build machine. Noticed some dependency issues with system packages that needs iteration with docker container and hepOS_libs.

- Would be good to have an SFT provided gcc compiler from CVMFS for centos9 (not urgent)
  - Marco: should use gcc12 for centos9, and have gcc12 for centos7 as well

4.2 LHCb

Marco:

- Users would like LCG_102 as soon as possible

- xgboost update: backward incompatibility causing failure in LHCb build
  - Dmitri: Update was necessary for TVM (cuda stacks), but we will downgrade in dev3/dev4.

4.3 ROOT

Bertrand: ROOT 6.24.08 will be released when Axel is available again.

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

Next meeting will be on June 20, 2022, because June 6 is a holiday.