LIM, 16 April 2019

Present: J Heinz, J Cervantes, I Razumov, B Couturier, R Hauser, E Moises,
                    G Folger, D Konstantinov, M Nowak, P Mato, M Clemencic
Remote: C Delort, A Marcinek
Agenda: https://indico.cern.ch/event/814508/
Next meeting: 30 April 2019

Status of LCG_95a

The status of the builds is unchanged. Attempts to build for clang8 and cuda9 failed.

Activities since last meeting

- A campaign to reduce the open JIRA tickets has started. More than 150 tickets have been closed last week. The remaining tickets (a bit less than 100) has been re-assigned and revisited. A good fraction them has been flagged for being potentially relevant for the next release
- A JIRA Epic has been created with the wish-list of potentially interesting tickets to be solved by the time of LCG_96. Customers are invited to add their requests in there.
- To facilitate testing of gcc 8.3.0, installed since last week under contrib, the symlink
          /cvmfs/sft.cern.ch/lcg/contrib/**gcc/8testing** -> 8.3.0
  has been introduced. First build tests of this versions failed for reasons to be investigated.
- A request to re-install numba has been done by SWAN to improve the performance of PyROOT.
  - The caveat is that it requires llvm, therefore care has to be taken to not interfere with existing packages using other llvms, such as ROOT.
    - Same problem observed with Doxygen
  - Needs further investigation
- An attempt to upgrade Boost to the latest version 1.70 failed with a problem possibly related to CMake
  - Under investigation
- An attempt to remove the GSL dependency from RELAX failed and needs further investigation.
  - This is needed by Gaudi for licence reasons.
- It was agreed
  - To upgrade Python 2 to the latest 2.7.16
  - To drop DD4Hep from the python3 toolchain
    - Not yet supported; current builds are a mix of Python2 and Python3

Customer feedback

- ATLAS: nothing to report
  - New releases with backport of ROOT bug
    https://sft.its.cern.ch/jira/browse/ROOT-7749 not needed .
- FCC: requested update of LCGInfo for 95a (slc6-gcc62-opt missing)
- SWAN: 95a and 95a-NXCALS available
  - Request for LateX for matplotlib
    - Investigate if it can be taken from the system via HEPOSLibs

AoB

- New Geant4 patch version coming: 10.05.p1
- MesaGL still not solved (LHCb)
  - Will try to build a fixed version of the plug-in to propose a solution to IT.