

LIM, 11 July 2019

Present: J Heinz, I Razumov, R Hauser, A Kazarov, G Amadio, G Eulisse, M Nowak, G Stewart, W Lampl, D Castro, J Cervantes Villanueva, P Mato, S Mosciatti, I Goulas, M Nowak, M Marik, M Clemencic, G Ganis (chair), K Massri, S Schuchmann

Remote: D Konstantinov, S Muzaffar

Agenda: <https://indico.cern.ch/event/834054/>

Next meeting: 23 July 2019

LCG_96

- Tagged and started building early last week
- Currently available for both python2 and python3
 - CentOS7: {gcc 8, clang 8}, {opt, dbg}
 - SLC6: gcc 8, opt
- Known problem
 - Python package "packaging" missing (dependency of pytest) (see [SPI-1379](#))
 - Solved "manually"; OK for now
- SWAN will push for gcc8 with LCG_96
- ATLAS
 - TDAQ will start building soon (by next LIM)
 - LCGInfo page wrong when doing comparisons of versions
- Wished additional platforms:
 - CentOS7, gcc62 (to help FCC migration to gcc 8)
 - Ubuntu 18.04: gcc native, gcc-8 (LHCb developers and O. Freyermuth)
 - Cuda9, Cuda10 for ML in a box (AllInImage)

AoB

- An SFT summer student (Marek Marik) is working on the ARM port; this is wanted by both ATLAS and LHCb. LHCb has also a student working on the port to ARM and Power9.
- ATLAS (and LHCb) would like a port on Power9; however, TECHLab would like to abandon support for ARM and Power architectures. ATLAS and LHCb should make a clear request to TECHLab to continue to provide these machines.
- G Eulisse brought attention on the Nexus application template and Software Component Repository service provided by IT and announced during the [IT-ASDF meeting](#) on 4 July 2019, which could also be interesting for RPM repositories; LHCb is also considering

evaluating the service. Decided to organize a discussion soon, either in a dedicated LIM or in the context of HSF packaging meetings.

- NA62 reported that they are affected seriously by a bug in VecGeom through the Geant4 builds available in the LCG releases (see [SPI-1381](#) and [VECGEOM-533](#)). NA62 would be happy to have a build of Geant4 without VecGeom. It was decided to investigate the timescale for a fix of the bug before taking a decision on how to proceed. A possible alternative would be to have a LCG_96a without VecGeom.