LIM 26.02.2024
Updates in nightlies

- **SPI-2509**: Update tensorflow and company:
  - tensorflow-2.15.0.post1(2.13.1)
  - gast-0.5.4(0.5.2)
  - keras-2.15.0(2.13.1)
  - tensorflow_estimator-2.15.0(2.13.0)
  - tensorboard-2.15.2(2.13.0)
  - tensorflow_probability-0.23.0(0.21.0)
  - zfit-0.18.0(0.16.0)

- **LCIO-02.21(02.20)**

- **SPI-2504**: Update of pytest-cov, coverage and pytest:
  - pytest-8.0.0(7.4.0)
  - coverage-7.4.1(6.3.2)
  - pytest_cov-4.1.0(3.0.0)
  - pluggy-1.4.0(0.13.1)
Updates in nightlies - generators

- **SPI-2503**: SFGen with a patch (ATLAS) allowing to specify a path data files with environment variable.
- **SPI-2506**: Update **Rivet-3.1.10** (3.1.9) and **YODA-1.9.10** (1.9.9)
Ongoing work

• [SPI-2493](#): Started with **Python 3.11 and 3.12 stacks**
  - QMTest, typed_ast are dropped from the stack.
Releases and Layers

- **LCG_104d_ATLAS_3/4** including:
  - Superchic-5.0 with a patch switching for "small" models for AArch64 GNU fortran builds
  - SFGen 1.03 with a patch (1.03.atlas2) allowing to specify path to diss/SplinesWithVariableKnots*.dat files using SFGENPATH env variable.
  - Rivet 3.1.10 and YODA 1.9.10

- **LCG_104d_ATLAS_5/6**, changes wrt 3/4:
  - evtgen-2.2.1 -> evtgen-2.1.1
  - herwig++-7.3.0 -> herwig++-7.2.3p2 (thepeg-2.3.0->thepeg-2.2.3)
  - madgraph5amc-3.5.3.atlas4 -> madgraph5amc-3.5.1.atlas3
  - pythia8-310 -> pythia8-308

! There is an update from Attila saying that there is a possible problem in our build of gperftools 2.15
Roundtable

• ATLAS
• LHCb
• CMS
• ROOT
• NA62

Next meeting – March 11.