1 Nightlies

Andre presented the list of added and updated packages in the nightly builds. New packages that were added are:

- **SPI-2366**: accelerate, dataclasses.json, exceptiongroup, faiss
- **SPI-2367**: langchain, langchainplus-sdk, marshmallow_enum, nltk, numcodecs, openai, openapi_schema_pydantic, safetensors, sentence_transformers, sentencepiece, typing_inspect
- **SPI-2371**: confuse, make-it-sync, backoff, minio, qastle, func-adl-serviceex, func-adl, fonttools, servicex

The updated packages are

- aiohttp, awkward, cachetools, cabinety, cloudpicke, coffeea, iminuit, importlib_resources, matplotlib, pydantic, pytest, sqlalchemy, transformers, zipp
- **SPI-2358**: cx_oracle
- **SPI-2374**: spark
- **SPI-2375**: auth-get-sso-cookie, (added: qrcode)
- **SPI-2376**: pythia 309 patch for c++20 !1819
- **SPI-2377**: dask-lxplus
- madx, cpymad
2 Releases and Layers

2.1 Preparation for LCG_104

Andre reported on the status for LCG_104 (formerly known as LCG_103a), which is tracked also in SPI-2356. He noted that SPI received a report about graphics based on QT5 in Geant4 are not working on el9, potentially due to missing header files on the SPI build containers, and QT5 switching of X11 based features. Reiner noted that he could also see problems with some QT based applications.

Work is also still needed for the new TBB and Gaudi compatibility, which is tracked in SPI-2373 and SPI-2382.

Johannes expressed his hope that the new stack could be released before everyone disappears in August.

2.2 LCG_102b for el9

Regarding the potential request by ATLAS for a LCG_102b build on el9, the consensus was reached that this is not required at this point in time.

2.3 LCG_102b_ATLAS_23/24

Ewelina expressed that it would be good to deploy this build during the week, so validation for the sherpa3 beta release could be started before she became unavailable.

3 AOB

Dmitri brought up that ROOT is not able to find TBB libraries that are build in DEBUG mode, he will open a issue for ROOT.

3.1 ATLAS

NTR

3.2 LHCb

N/C

3.3 ROOT

NTR

3.4 ALICE

Guilio asked whether there were any thoughts on the new issues facing the downstream RedHat rebuilds. Johannes stated that IT recommended to wait and see how the situation evolves.
3.5 NA62

NTR