Latest code updates

10 Jan 2024
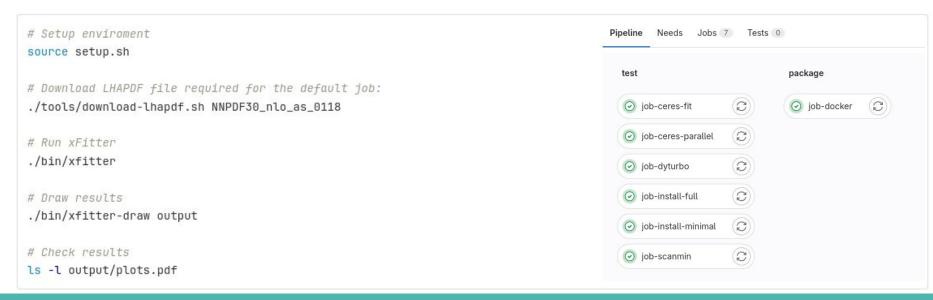
Docker in CI job

- A nightly updated docker image of the master branch.
- https://gitlab.cern.ch/fitters/xfitter/-/wikis/Docker :

To run a container use

```
docker run -it gitlab-registry.cern.ch/fitters/xfitter:master bash
```

While inside the docker, you need to first setup the environment and then you can proceed with a test

```
# Setup enviroment
source setup.sh

# Download LHAPDF file required for the default job:
./tools/download-lhapdf.sh NNPDF30_nlo_as_0118

# Run xFitter
./bin/xfitter

# Draw results
./bin/xfitter-draw output

# Check results
ls -l output/plots.pdf
```

Pipeline   Needs   Jobs 7   Tests 0

test

- ✓ job-ceres-fit ↻
- ✓ job-ceres-parallel ↻
- ✓ job-dyturbo ↻
- ✓ job-install-full ↻
- ✓ job-install-minimal ↻
- ✓ job-scanmin ↻

package

- ✓ job-docker ↻

xfitter-draw logo issue

- Issue with root TImage DrawText causing segfault when trying to draw xFitter version (can be fixed by "--no-logo" or better "--no-version" option)
- A [branch](#) with a fix to use a different version of the call using built in fonts
- However, the issue seems to be fixed with the latest root, e.g. the docker version of xFitter does not crash (but issues some warning messages about missing font).
- The old default code is activated when BUGFIXEDROOT debug flag is activated.
- Root version is checked by cmake

```
-- Use system fonts in xFitter logo        -- Use internal fonts in xFitter logo 6.26.06 < 6.26.1
-- Configuring done                        -- Configuring done
-- Generating done                         -- Generating done
```