REANA exercises

Data Analysis Techniques using SWAN and REANA (part 3 of 3)

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`https://indico.cern.ch/event/1441237/`

Exercise 1: Amending and rerunning workflows

Building upon the RooFit demo example that we have run yesterday.

Consider that we are not satisfied with the produced plot and that we would like to change the title from "Fit example" to "My fit example".

Task 1a: Change the analysis source code and rerun the analysis to produce the new desired plot.

Task 1b: Have you run only those workflow steps that are really necessary to produce the new plot? If not, how can you avoid rerunning the (possibly computationally expensive) data generation steps?
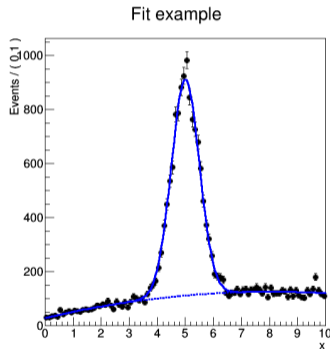
Exercise 2: Bridging GitLab with REANA

Consider that we would like store our analysis to be version-controlled in GitLab.

Task 2a: Set up a GitLab repository with all the necessary files in order to "preserve" our LXPLUS work.

Task 2b: Bridge your GitLab repository with REANA so that each time you push a change, the analysis would be rerun on REANA.

Hint: Follow https://docs.reana.io/advanced-usage/code-repositories/gitlab/