

June Updates - ATLAS

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https://escape-notebook.cern.ch/user/jlittle/lab
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Terminal 1
jovyan@jupyter-little:~/atlas-dm-reinterpretation$ bash runReana.sh
==> ERROR: Please provide your access token by using the -t/--access-token flag, or by setting the REANA_ACCESS_TOKEN environment variable.
==> ERROR: Please provide your access token by using the -t/--access-token flag, or by setting the REANA_ACCESS_TOKEN environment variable.
==> ERROR: Please provide your access token by using the -t/--access-token flag, or by setting the REANA_ACCESS_TOKEN environment variable.
jovyan@jupyter-little:~/atlas-dm-reinterpretation$ ls
data notebooks output python README.md reana.yaml runReana.sh
jovyan@jupyter-little:~/atlas-dm-reinterpretation$ cd
jovyan@jupyter-little:~$ ls
atlas-dm-reinterpretation ATLAS_LAPP_SP rucio test
jovyan@jupyter-little:~$ ls -la
. atlas-dm-reinterpretation .bash_history .gitconfig .jupyter .reana-credentials rucio .ssh
.. ATLAS_LAPP_SP .cache .ipython_checkpoints .local .root_hist .rucio_jupyterlab test
jovyan@jupyter-little:~$ vim .reana-credentials
bash: vim: command not found
jovyan@jupyter-little:~$ vi .reana-credentials
jovyan@jupyter-little:~$ source .reana-credentials
jovyan@jupyter-little:~$ cd atlas-dm-reinterpretation/
jovyan@jupyter-little:~/atlas-dm-reinterpretation$
jovyan@jupyter-little:~/atlas-dm-reinterpretation$ bash runReana.sh
==> Verifying REANA specification file... /home/jovyan/atlas-dm-reinterpretation/reana.yaml
==> SUCCESS: Valid REANA specification file.
==> Verifying REANA specification parameters...
==> SUCCESS: REANA specification parameters appear valid.
==> Verifying workflow parameters and commands...
==> SUCCESS: Workflow parameters and commands appear valid.
==> Verifying dangerous workflow operations...
==> SUCCESS: Workflow operations appear valid.
==> Verifying compute backends in REANA specification file...
==> SUCCESS: Workflow compute backends appear to be valid.
SettingLimits.27
==> SUCCESS: File /python/MakeLimit.py was successfully uploaded.
==> SUCCESS: File /python/Summary.py was successfully uploaded.
==> SUCCESS: File /data/DMCrossSectionGraphs_axial_massmass.root was successfully uploaded.
==> SUCCESS: File /python/MakeLimit.py was successfully uploaded.
==> SUCCESS: File /python/Summary.py was successfully uploaded.
==> SUCCESS: File /data/DMCrossSectionGraphs_axial_massmass.root was successfully uploaded.
==> SUCCESS: SettingLimits has been queued
jovyan@jupyter-little:~/atlas-dm-reinterpretation$
```

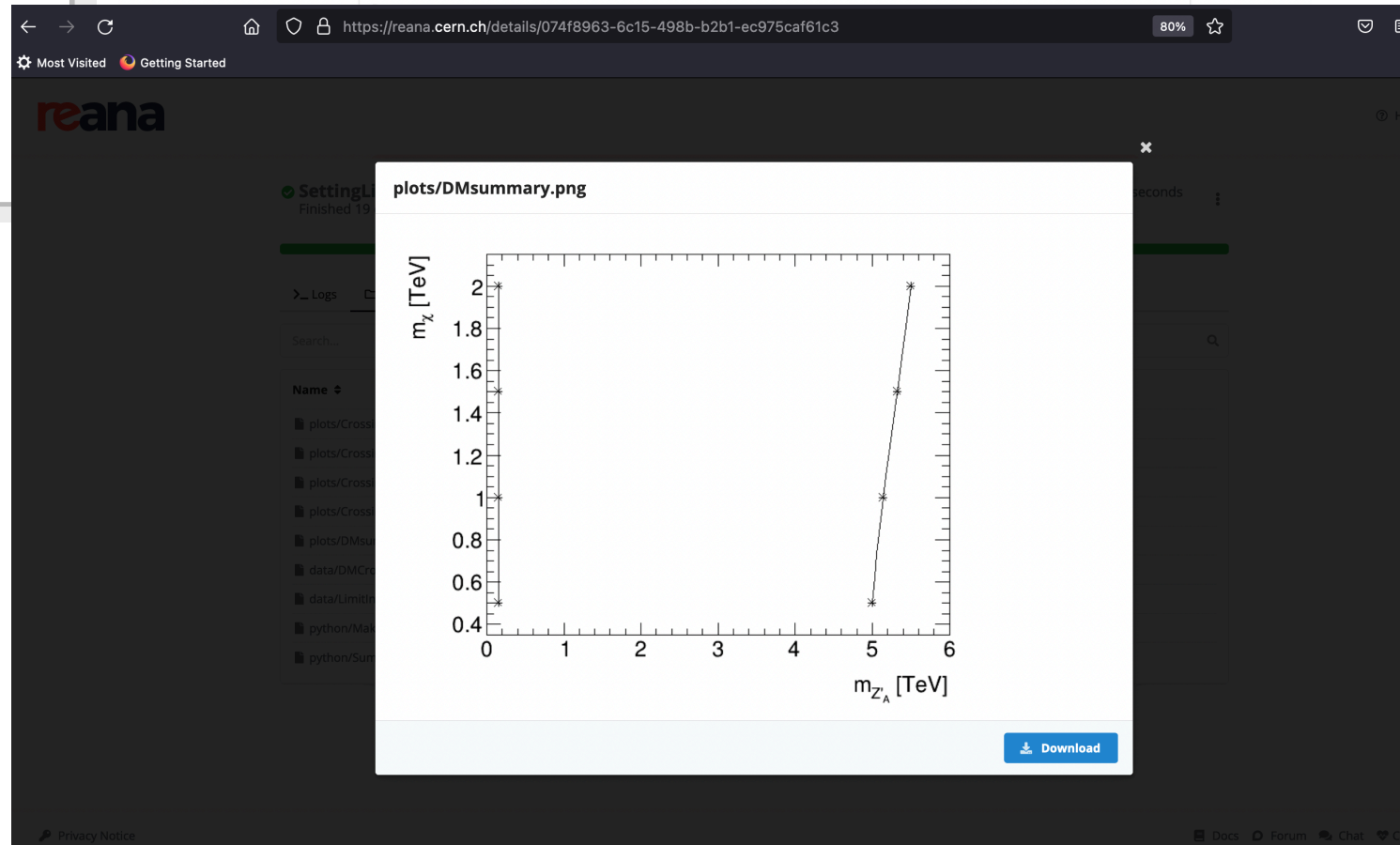
SettingLimits #29
Finished a minute ago

finished in 1 min 34 sec
step 3/3

Logs Workspace Specification

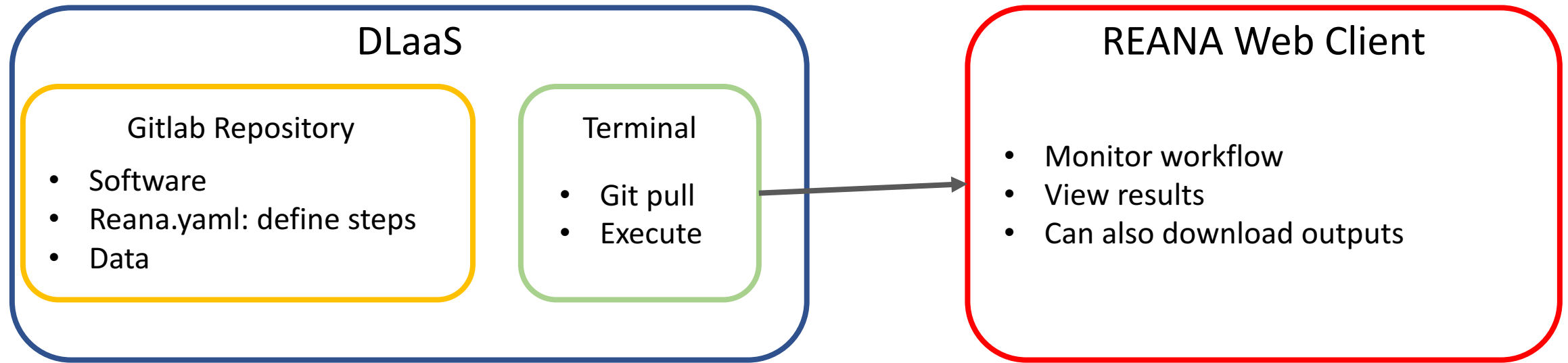
Search...

Name	Modified	Size
plots/Crossing_DM1p00_fsll.png	2022-06-13T18:54:15	11974
plots/Crossing_DM0p50_fsll.png	2022-06-13T18:54:15	12082
plots/Crossing_DM2p00_fsll.png	2022-06-13T18:54:15	12051
plots/Crossing_DM1p50_fsll.png	2022-06-13T18:54:15	12048
plots/DMsummary.png	2022-06-13T18:54:35	9128
data/DMCrossSectionGraphs_axial_massmass.root	2022-06-13T18:52:50	26404
data/LimitInterpolator_CL95_14TeV.root	2022-06-13T18:54:15	17439
python/MakeLimit.py	2022-06-13T18:52:50	8760



From the DLaaS, basic workflow was set up and sent to the remote cluster with REANA.

- A simple custom docker container was built and used.
- Data still uploaded with the workflow, small jobs only.



- Still sending data to the remote computers.
 - How to handle larger datasets?
- I would like to build a container to use Athena.
 - I have been trying, without success so far.
 - Is this code public?
 - How to use CVMFS with REANA?
 - <https://atlassoftwaredocs.web.cern.ch/athena/ubuntu-setup/>