

# Getting started

Scripts and jupyter notebooks will run on the Anaconda (Conda) environment.

- 1) Install Anaconda or Miniconda environments depending on the characteristics of your computer and operating system. Follow the instruction on the installation guides:

[Getting started with Conda](#)

- 2) Conda allows you to create separate environments, each containing their own files, packages, and package dependencies, and it is available in any terminal application.

**Linux:** Open a terminal window.

**MacOS:**

1. Open Launchpad.
2. Open the Other application folder.
3. Open the Terminal application.

**Windows:** Open either the Command Prompt (cmd.exe) or PowerShell.

- 3) Create an environment called LHCb that will contain: root, uproot, matplotlib, pandas, ipywidgets and scipy with the following commands:

```
> conda config --set channel_priority strict
> conda create -c conda-forge --name LHCb root
> conda activate LHCb

> conda config --env --add channels conda-forge
> conda install -c conda-forge uproot
> conda install -c conda-forge matplotlib pandas awkward-pandas
ipywidgets scipy jupyter
```

To exit conda environment type

```
> conda deactivate
```

- 4) (Optional) To run a jupyter notebook and verify that everything is working properly. Open jupyter notebook on the folder where you have saved the .ipynb files

```
> conda activate LHCb
> jupyter-notebook Getting_started.ipynb
```