

Computing set-up

Monday 24 November 2025 17:30 (30 minutes)

Please bring your laptop!

For the Pythia tutorials:

- * A standard Unix terminal window, as available in Linux and MacOS.

This excludes Windows, unless you yourself know how to install and operate with the Windows subsystem for Linux.

- * Other standard tools, such as a text editor and web browser.

- * A C++ compiler, accepting C++11 (or later) code.

- * For nicer plotting preferably you should also have a Python 3 installation, including the Matplotlib library. If you have the former but not the latter, run

```
python3 -m pip install -U matplotlib
```

For the Sherpa tutorials:

- * Tutorials based on docker images. Suggest to install docker in advance: <https://docs.docker.com/install>

- * to avoid having to download the docker image all at the same time it would be a good idea to download the image in advance with:

```
docker pull hepstore/rivet-sherpa:3.1.8
```

```
docker container run -it -v PWD :PWD -w $PWD hepstore/rivet-sherpa:3.1.8 /bin/bash
```

```
Sherpa -version
```

- * If you'd like to work with a local Sherpa installation instead of docker, it is useful to install rivet suit from rivet-bootstrap in advance: <https://gitlab.com/hepcedar/rivet/-/blob/release-3-1-x/doc/tutorials/installation.md#installation-1>

For the Herwig tutorials:

- * Tutorials based on docker images. Suggest to install docker in advance: <https://docs.docker.com/install>

- * to avoid having to download the docker image all at the same time it would be a good idea to download the image in advance with: “docker pull herwigcollaboration/herwig-7.3:7.3.0” (where on Linux people will most likely need a “sudo” in front for this to work)

If you need any additional support (via DESY computing access), contact us.

Summary