

# Modality of this Tutorial

- The slides will contain most commands typed on the terminal
- Following along with your computer is **strongly encouraged!**
- Your options to do so:
  - It's possible to follow on lxplus / NAF via a CVMFS installation
  - You can also follow with a local installation, but we cannot debug local Geant4/ROOT6 installations during this session
- Please download the tutorial materials [here](#)

# CVMFS – CernVM File System

- Using project space of CLICdp at `/cvmfs/clicdp.cern.ch/software/allpix-squared/`
- All versions since v1.1 available
  - Nightly build of master in “latest”
- Each version built for CentOS7/8 or Red Hat Enterprise Linux 9 (gcc/clang)
- Load all dependencies, C++ libraries & set up \$PATH using setup.sh file:

```
$ source /cvmfs/clicdp.cern.ch/software/allpix-squared/3.1.3/x86_64-el9-gcc12-opt/setup.sh
$ allpix --version
Allpix Squared version v3.1.3
...
```

# Other Methods

- Building from source, Docker, etc.

See documentation: [https://allpix-squared.docs.cern.ch/docs/02\\_installation/](https://allpix-squared.docs.cern.ch/docs/02_installation/)

[Documentation](#) / Installation

## Installation

Instructions on how to build and install Allpix Squared.

This chapter aims to provide details and instructions on how to build and install Allpix Squared. An overview of possible build configurations is given. After installing and loading the required dependencies, there are various options to customize the installation of Allpix Squared. This chapter contains details on the standard installation process and information about custom build configurations.

Alternatively, Allpix Squared can be installed without building via a Docker image (see [Section 2.7](#)) or via CVMFS (see [Section 2.8](#)).

# Still not working?

Please contact the event organization, so we can find other solutions

# Resources



**Website**

<https://cern.ch/allpix-squared>



**Repository**

<https://gitlab.cern.ch/allpix-squared/allpix-squared>



**Docker Images**

[https://gitlab.cern.ch/allpix-squared/allpix-squared/container\\_registry](https://gitlab.cern.ch/allpix-squared/allpix-squared/container_registry)



**User Forum:**

<https://cern.ch/allpix-squared-forum/>



**Mailing Lists:**

allpix-squared-users <https://e-groups.cern.ch/e-groups/Egroup.do?egroupId=10262858>

allpix-squared-developers <https://e-groups.cern.ch/e-groups/Egroup.do?egroupId=10273730>



**User Manual:**

<https://cern.ch/allpix-squared/usermanual/allpix-manual.pdf>