

# Masterclasses with the Pierre Auger Observatory

## Checklist for participating institutions

### Introduction

- Speaker and talk about general particle and astroparticle physics
- Speaker and talk about experiments (including the Pierre Auger Observatory) and introduction to the exercise

### Experimental activity

- Computers for groups of one or two students. Requirements:
  - Windows 7+, MacOS 10.13+, Ubuntu 18.04+, Centos 7+
  - No virtual machines
  - Internet connection
- Software installed + printed student activity guide next to each computer, with the respective dataset number written in the first page

### Videoconference

- Videoconference system: test audio, video and zoom connection
- Choice of two students to be spokespersons, for questions and answers during the videoconference

### Others (optional)

- Organization of institutional coverage (poster announcement, webpage, pictures for social networks, news) and/or local media coverage
- Organization of coffee break and lunch time for students
- Distribution of outreach materials (panflets, university info, etc)
- Local team of moderators to help the students during the experimental activity