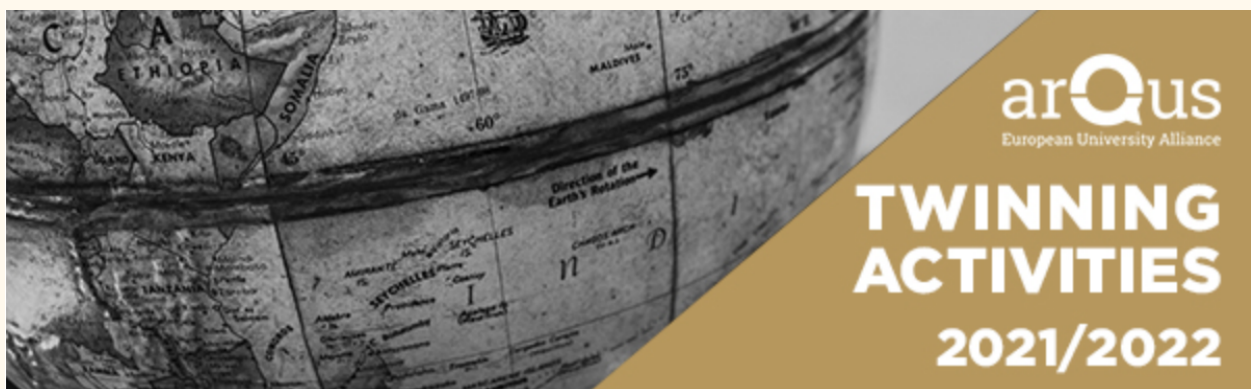


FOR STUDENTS OF THE PHYSICS BACHELOR PROGRAM - IFT - UiB

Mini-school of Gamma-ray Astronomy and Statistics

5-9 Set 2022 - Dep. of Physics and Technology (IFT)

Giacomo D'Amico (IFT - UiB), Michele Doro (University of Padova)



Introduction

The Arqus European University Alliance brings together the universities of Bergen, Granada, Graz, Leipzig, Lyon, Minho, Padua, Vilnius and Wroclaw, nine longstanding comprehensive research universities with deep regional engagement in medium-sized cities. Arqus is a multilateral alliance of internationalized institutions who share academic, scientific and cultural objectives, a common vision of the role of higher education and research and mutual fields of interest. <https://www.arqus-alliance.eu/>

Arqus Twinning 2021-22

The University of Padova got funds from Arqus to promote the mobility at the University of Bergen of 1 teacher and 6 Bachelor students from the first and second year. The duration of the mobility is 5 days, during which the students will learn basic concepts of high-energy astrophysics and statistical analysis with

emphasis on hands-on exercises.

<https://www.arqus-alliance.eu/index.php/news/arqus-opens-twinning-call-2021-22>

Programm

The school will be held at the Department of Physics and Technology (IFT) from the 5th to the 9th of September 2022.

- REMOTE. Before the start of the school: Round table of presentation. Introduction to the school. Prerequisite about the software for the hands-on sessions.
- IN PRESENCE: 2h in the morning and 2h in the afternoon of theory and hands-on sessions. Topic: Introduction to the theory and instrumentation of high-energy astrophysics. Introduction to the statistical methods applied in astrophysics. Introduction to multi-messenger analysis. Hands-on exercises. Quiz and final tests.

Costs

The participation at the school is free. Food, transportation and other expenses will not be covered.

Selection

Students from the University of Bergen willing to participate at the school must be bachelor students of the physics program. A maximum of 6 students will be selected based on the number of exams, grades and motivation letter. If interested, please send an email to giacomo.damico@uib.no with a motivation letter and a list of exams with grades.



Dipartimento
di Fisica
e Astronomia
Galileo Galilei

For further info:

Giacomo D'Amico giacomo.damico@uib.no

Michele Doro michele.doro@unipd.it