



Dipartimento
di Fisica
e Astronomia
Galileo Galilei



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

PhD Tech-FPA: Technologies for Fundamental Physics and Astrophysics

Coordinator introduction to the
II edition of National days of the DN TFPA
at **LNGS**
17- 21 February 2025



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PhD Tech-FPA: Technologies for Fundamental Physics and Astrophysics

We are very pleased to have been able to organize this event for doctoral students at LNGS, one of the centers where the contribution of **cutting-edge technologies** in various sectors enables experimentation under **unique worldwide conditions**



We thank the **Director and local staff** for their support. This retreat is a great opportunity for students from various Italian **Universities** and **research Institutes** to interact and learn from each other



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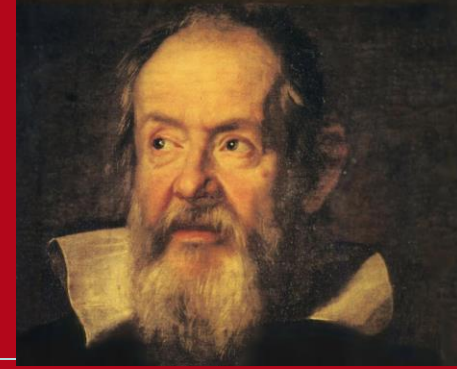
PhD Tech-FPA: Technologies for Fundamental Physics and Astrophysics

Goal of the meeting

- get to **know each other** and the **teachers**
- understand the **mission, structure, organization** and **services** of **INFN** and **INAF**
- have an idea of the main scientific matters that motivate research at the two institutions and the tools they use to conduct it
- get familiar with the **technological developments** that are important for the organizations' research activities
 - benefit from soft skills trainings
 - **visit** the laboratories.

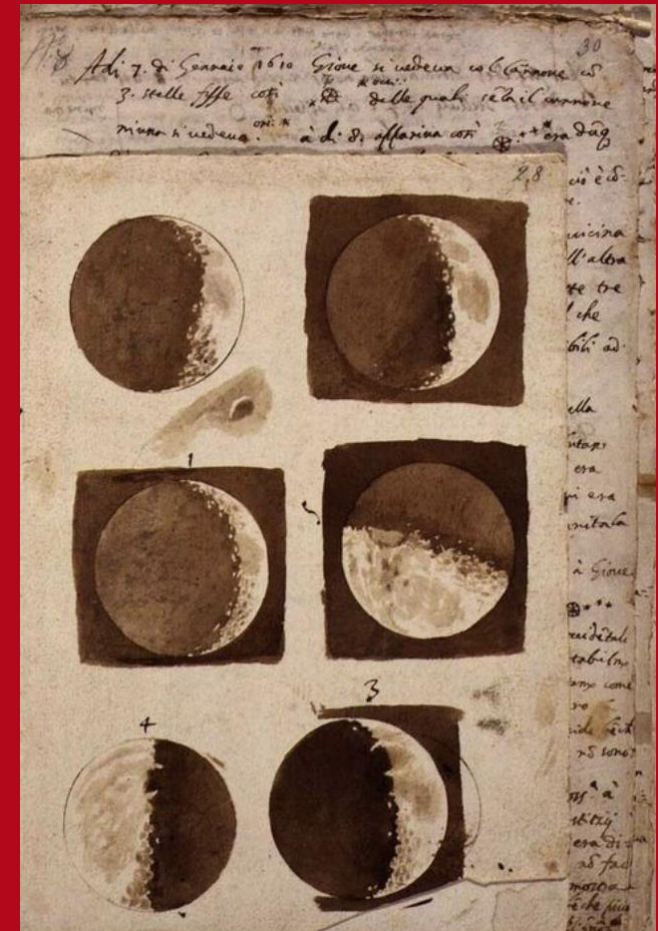
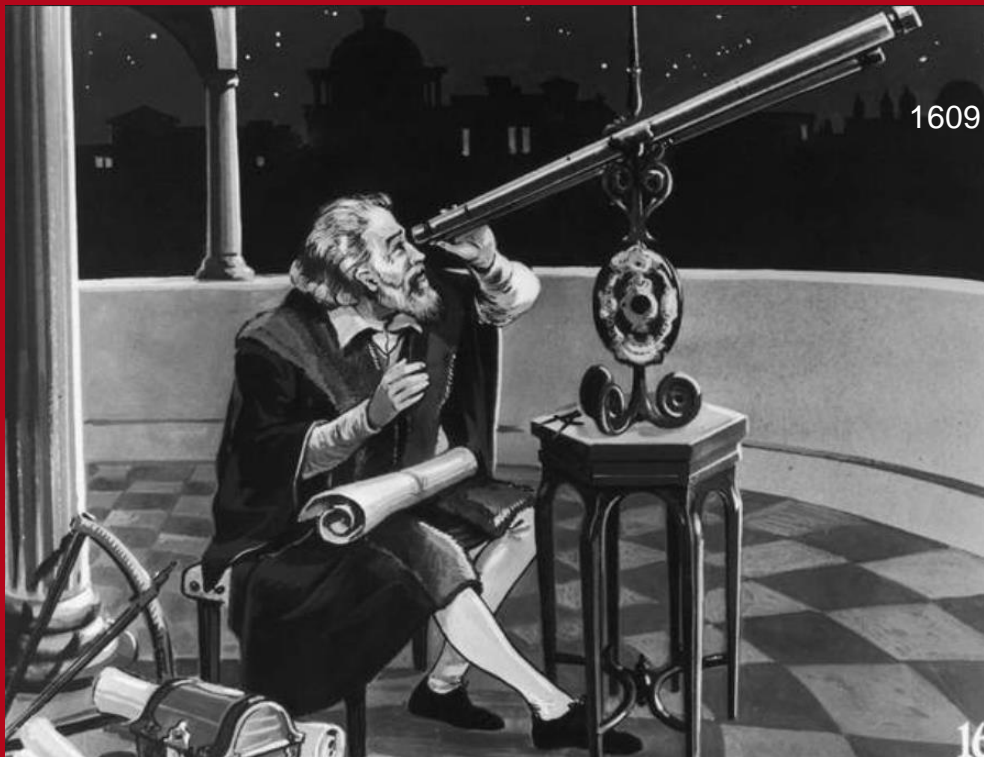


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Behind many **revolutionary discovery** there are
new **technology** and new **instruments**



Mosè Mariotti



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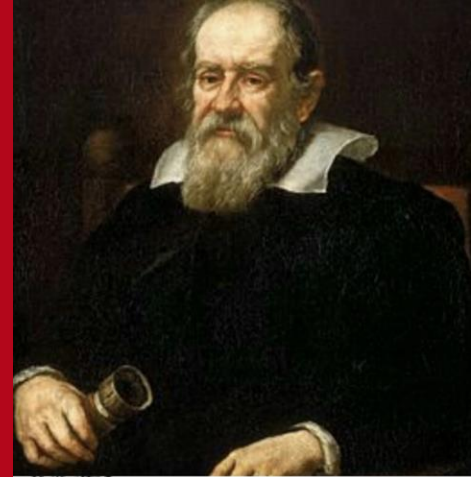
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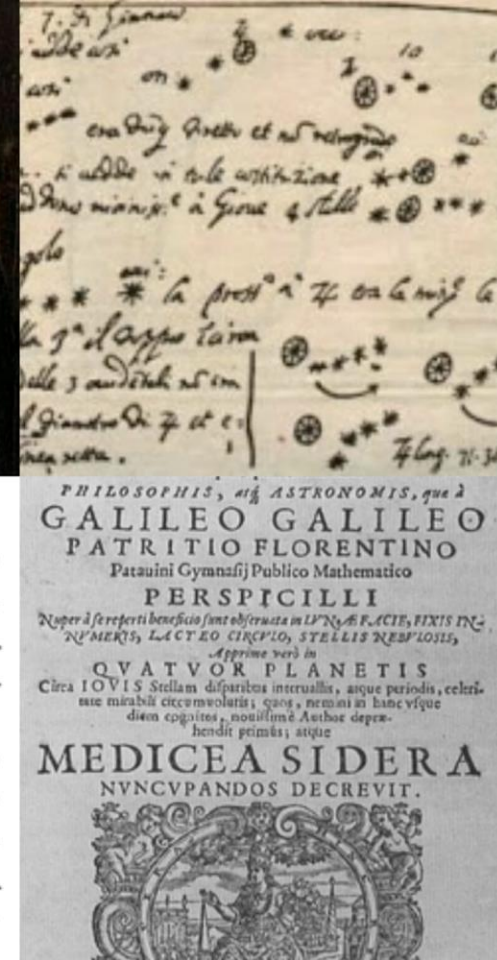
It was on the night of January 13, 1610, that Galileo managed to see the four satellites that today bear his name: the Galilean satellites, Io, Europa, Ganymede, and Callisto.

Galileo was unable to calculate the period of the satellites by the time he published one of his most famous works, the Sidereus Nuncius, but he did manage to demonstrate that the satellites that orbited closer to Jupiter moved at a higher speed than those that traveled further away from the planet.

Galileo demonstrated that not all celestial bodies revolved around the Earth, since there were four planets (according to the prevailing concept of planets at the time, which included the Moon and the Sun) that did so around Jupiter.



2. nov. 1610	○ **
30. nov.	** ○ *
2. dic.	○ ** *
3. nov.	○ * *
3. Ho. 2.	* ○ *
4. nov.	* ○ **
6. nov.	** ○ *
8. nov. H. 17.	* * * ○
10. nov.	* * * ○ *
11.	* * ○ *
12. H. 4. vegh.	* ○ *
13. nov.	* ** ○ *





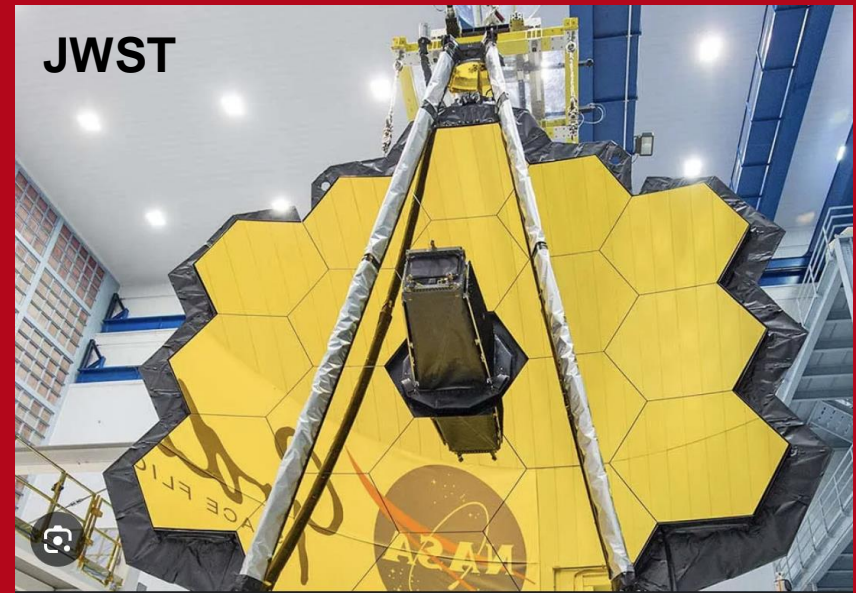
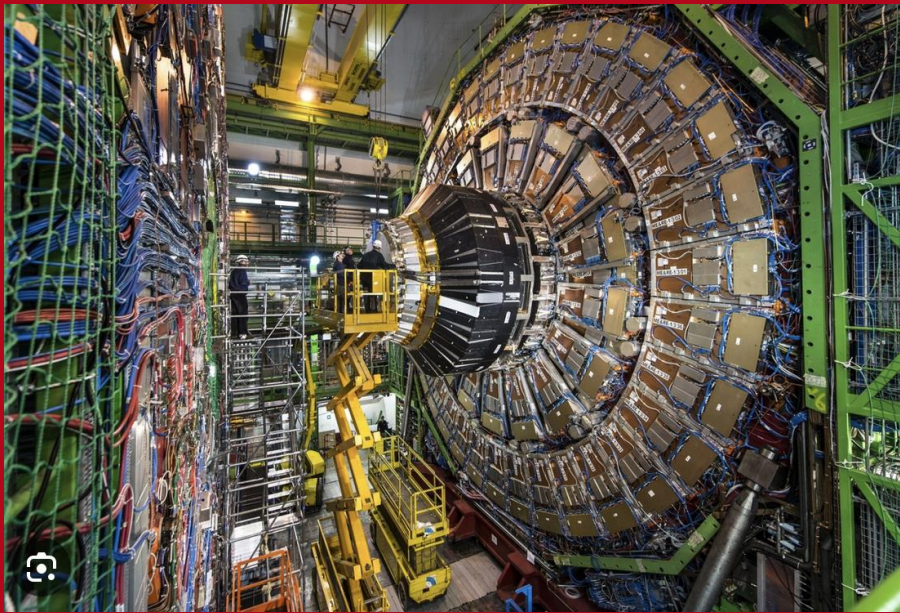
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“Modern declinations” of Galileo Telescopes



Mosè Mariotti



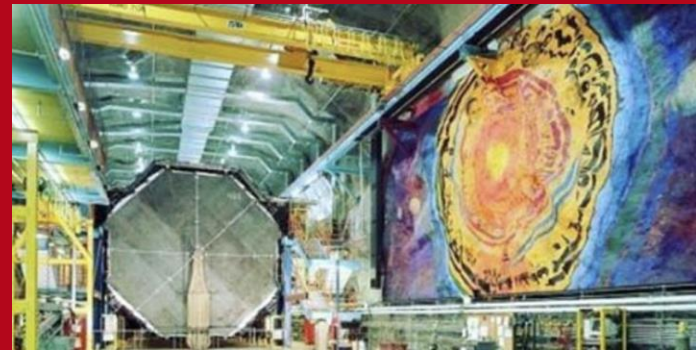
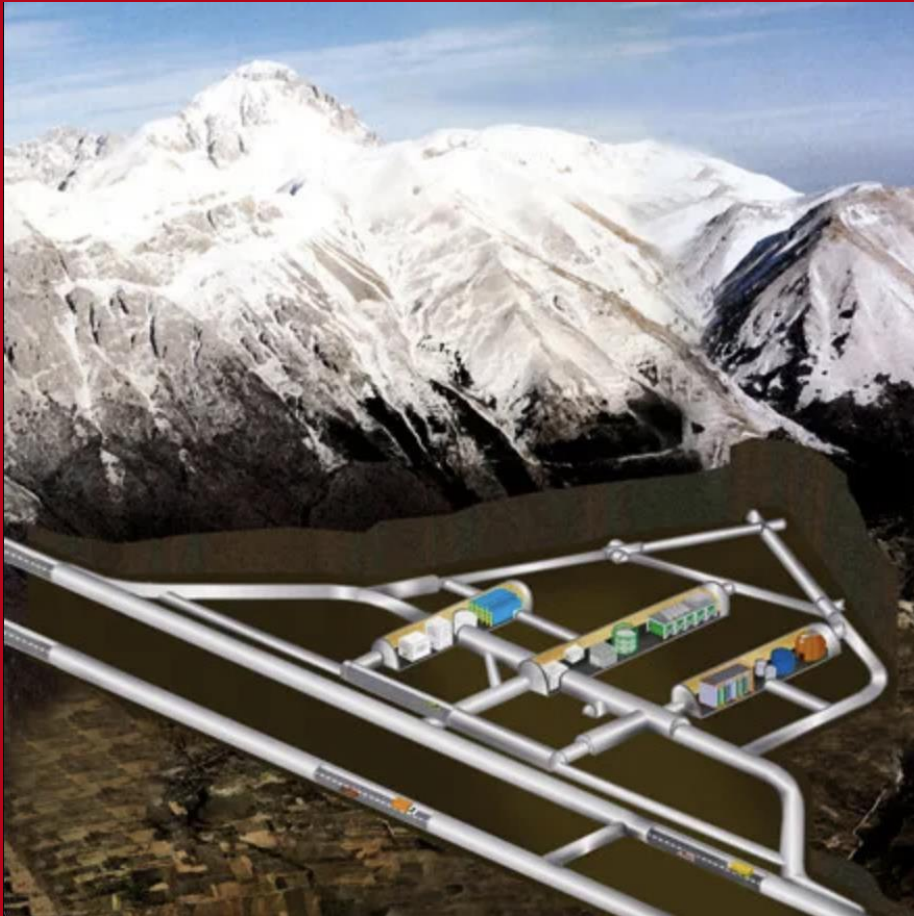
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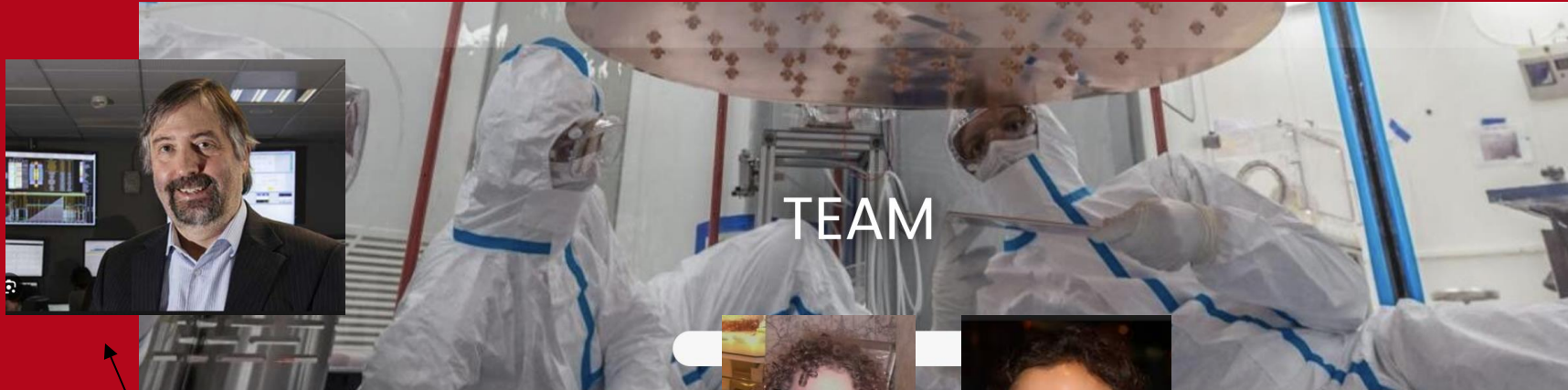


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VICE-COORDINATOR: Prof. Roberto Carlin

MEDIATOR: Ph.D. Sabine Hemmer
PhD Elisa Prandini

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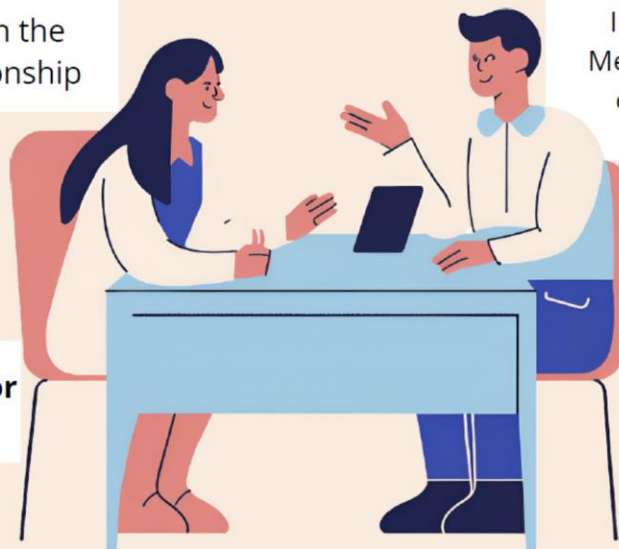
ACADEMIC MEDIATORS IN PHD PROGRAMS

Academic mediators' task is to facilitate the amicable resolution of any conflict that could arise within the supervisor-doctoral student relationship

The **mediation procedure is confidential**, as well as the identity of those who contact the mediator. Interviews are held behind closed doors. Mediators are required to maintain absolute confidentiality about the progress of the mediation.

Any PhD student and any supervisor can contact the Academic Mediator

In some cases, the mediator might propose three-way meetings aimed at **improving communication** between the parties involved



The full list of mediators is available at: <https://www.unipd.it/dottorato/elenco-mediatori>
For further information please contact: phd@unipd.it



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Mediators of the Phd course in Technologies for fundamental research in Physics and Astrophysics:

Elisa Prandini, elisa.prandini@unipd.it



Sabine Hemmer, sabine.hemmer@pd.infn.it



➔ **more detailed information on mediation will be given in the Friday morning session**



Secretariat of DN

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INFN Padova

Dr. Alessandra Zorzi
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14:10

The PhD Program and the Retreat

Speaker: Mauro Morandin (Istituto Nazionale di Fisica Nucleare)

14:20

PhD students

14:30

Supervisors and Coordinators

