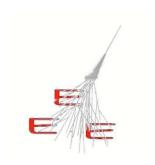
## **Extreme Energy Events**

(EEE)

# Liceo Augusto Righi Liceo Pilo Albertelli

Roma

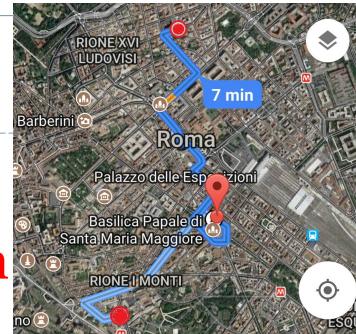








## A little on our story: A story of collaboration

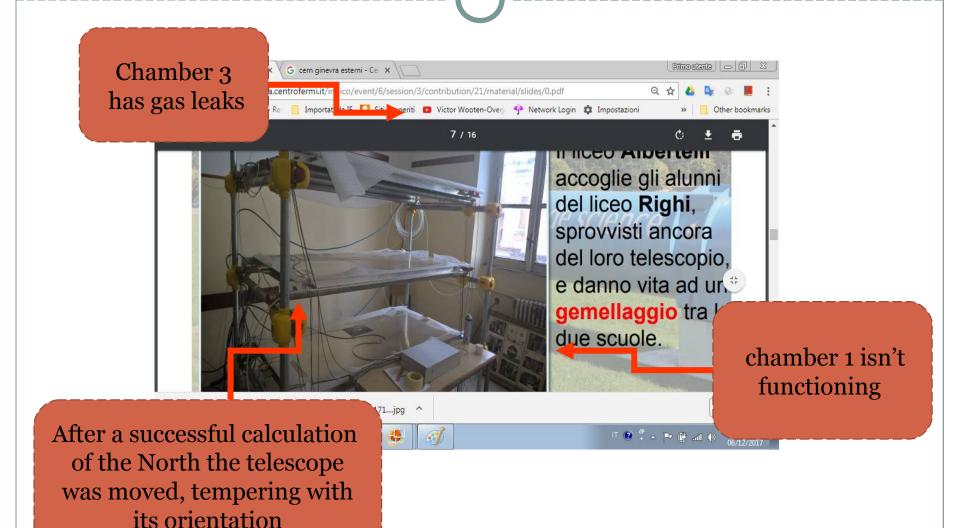


Centro Fermi wanted to build a telescope in the city-center of Rome. Due to limited funding and disponibility it was decided to establish the telescope only in one of the three schools interested (Righi, Albertelli and Cavour)

This was the beginning of our strong partnership...



## Setbacks

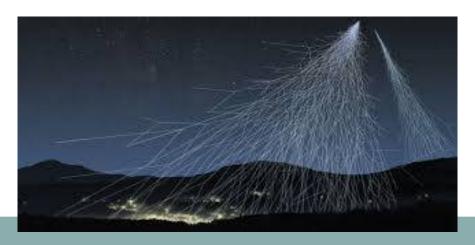


#### What we learned



#### Masterclasses

- · What are EEE Telescopes?
- · How and what are they made of?
- · Why are they important?



#### Two-day EEE bootcamp

- Finished measurements of North
- · Learned to analize and evaluate data from various telescopes
- Learned to imput data to elaborate EEE graphs
- · Seminar by Dr. Silvia Pisano

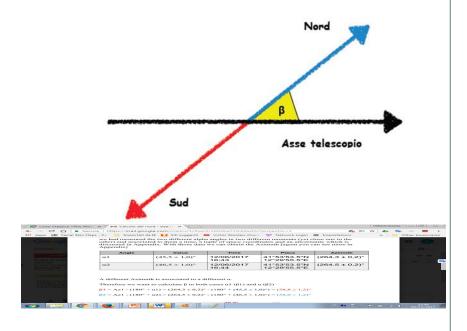
#### Measurement of the Telescope Orientation



$$\beta = (+38,4 \pm 0,8)^{\circ}$$

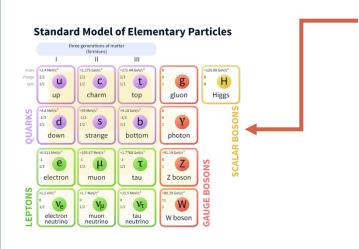
- Calculation of Magnetical north
- Calculation of Geographic North using Solar Shadows using the azimuth

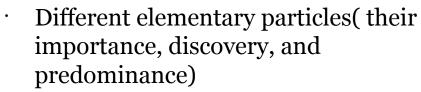




## Two day EEE bootcamp

EEE lessons with Dr. Silvia Pisano

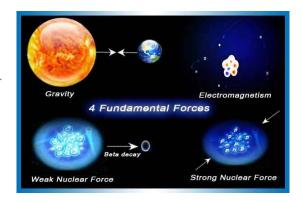




- · Different Types of forces'
- · Introduction to Relativity
- Introduction to Quantum Mechanics
- · Possible discoveries and progress in such fields

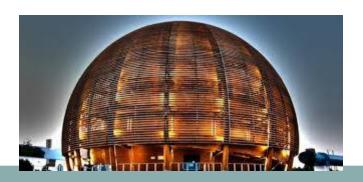


- · Evaluation of Italy's EEE telescope venues
- · How to access EEE telescope data
- · How to analize and input data in excel
- · How to create a data scatter plot graph of a certain event



## Our Hopes for the coming year

- · Fix the Albertelli's telescope and replace chamber A1
- · New calculation of the North
- · Introduce the new-comers to the EEE project
- · Masterclasses to learn how to use Root
- · Build a new telescope chamber at CERN (Righi)
- · Borrow/Build a Cosmic Box
- Develop a communication system between Albertelli and Righi to regulate and control telescope from both schools



## Acknowlegments

· Centro Fermi

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Prof. Rosario Nania

Prof. Marcello Abbrescia

Dott.ssa Silvia Pisano

Dott. Fabrizio Coccetti

Dott.ssa Marta Pepe

...and the entire EEE collaboration

· Team Albertelli Prof.ssa Antonietta Corea (DS) Prof.ssa Viviana Amati · Team Righi Prof.ssa Monica Galloni (DS) Prof.ssa Francesca Sartogo Lorenzo Versini, Michele Surano Ruggero Valli, Giorgio Del Castello