

# Plans for the Outreach in A.S. 2020/2021 with the EEE Project

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**The outreach group!**

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Thanks to **Marina, Marta, Paola, Daniele** and **Kristian** for joining!

# Bureaucracy

- 32/100 agreements signed
- For the local referents: please give feedbacks about schools that are not to be considered for a renewal
- PTCO will follow
- Other formats for participation: «crediti formativi» under evaluation

# Run Coordination Meetings

The format «general talk + question time» turned out to work very well during the lockdown.

For the restarting of the EEE Project (*i.e.* in the second semester of A.S. 2020/2021), a mixed solution with a general talk + question time (shorter than the latest!) + possible contributions by schools can be considered.

Speaker at the next Run Coordination Meeting: **Dr. K. Piscicchia** (grazie!) → Quantum Mechanics

Speakers to invite for future meetings:

1. ***E. Coccia*** → *gravitational waves*
2. ***M. Colpi*** → *black holes*
3. ***P. Blasi (GSSI)*** → *Cosmic Ray theory*
4. ***M. Capaccioli*** → *«L'incanto di Urania» (history of astronomy)*
5. ***M. Focaccia*** → *history of physics (Laura Bassi)*



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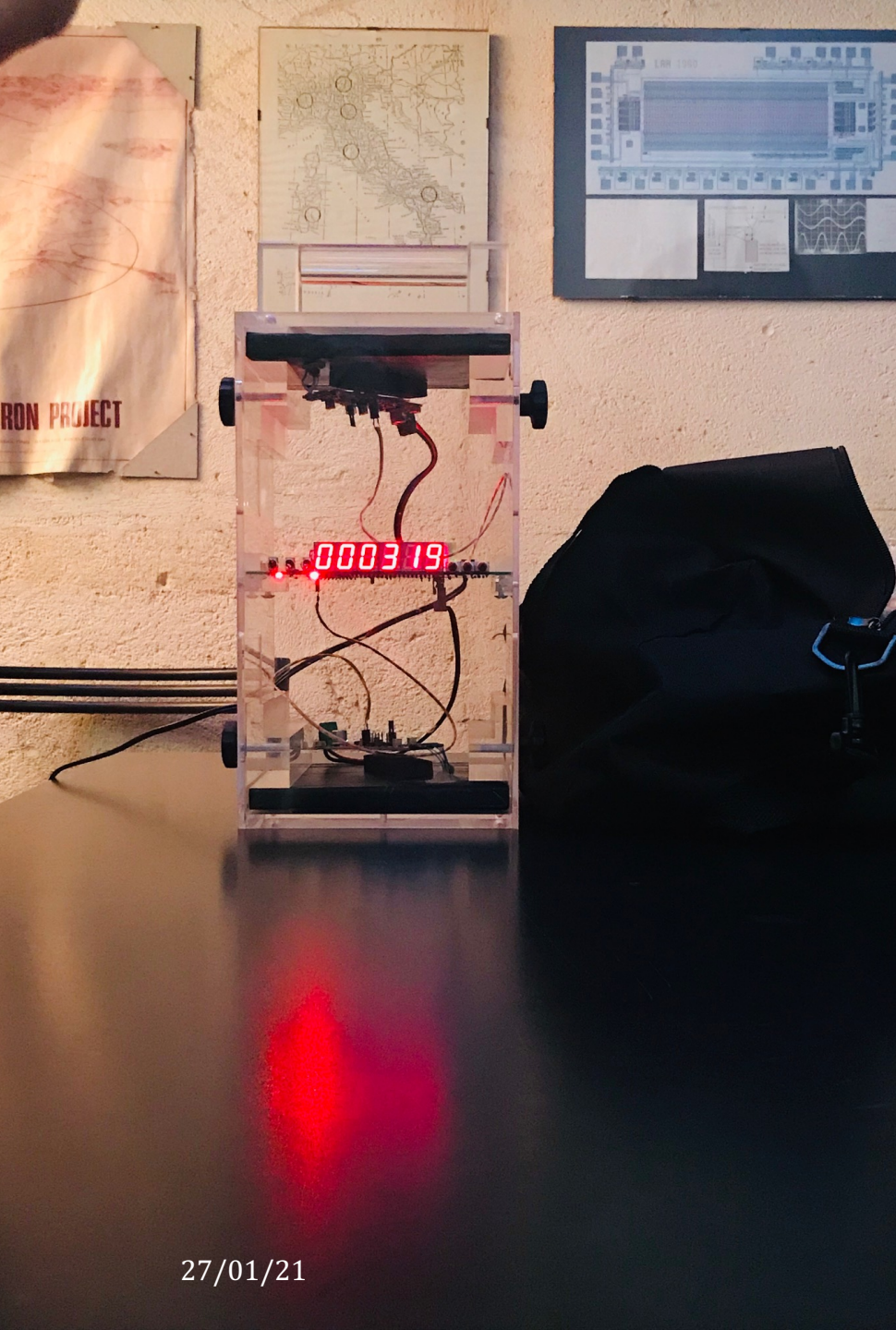
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**Suggestions about possible  
speakers are welcome!**



# Cosmic Box Contest

SegreteriaEEE is in contact with the winners of the past edition to arrange the delivery of the cosmic boxes:

**1. Una comic box per studiare la dipendenza del flusso muonico dall'altitudine**  
Scuole: Liceo Grassi (SV) - Liceo Chiabrera (SV) - Liceo Calasanzio (Carcare, SV)

**2. Cosmic Box Contest**  
Scuola: Lieo Pascal (Pomezia, RM)

**3. Cosmic Box e Pausilypon**  
Scuola: IIS Luca Pacioli (Sant'Anastasia, NA)

**4. Progetto per attività sperimentale-didattica con Cosmic Box**  
Scuola: Liceo Onesti (Fermo)

**5. Progetto Cosmic Box**  
Scuola: Liceo Galilei Lanciano (CH)

**6. Progetto Cosmic Box**  
Scuola: Liceo Da Vinci (Trento)

**7. Raggi comici a San Clemente**  
Scuola: Liceo Cavour (RM)

# A Netflix-like idea

...for stimulating the restarting of the data-taking activity

We propose a web-serie composed of 10 short episodes, with the plot «how to restart an EEE station». Each episode will consist in a **short video** where one of the main components of the data taking system is turned on, and the different steps and checks to be done at that stage are described.

Each episode will be roughly 3 minute long.

1. Preliminary checks of the environment (power system, meteo conditions)
2. The cabling
3. The gas system
4. The power system (*aka*: are all the lights that should be ON really ON? E.g. FEA's)
5. Turning on a chamber (by slowly increasing the HV!)
6. Check of the coincidence rate (single, double or triple-chamber)
7. The daily Check List
8. The remote control: how to connect to the local pc and verify the working conditions of the telescope
9. Operating a telescope from home: how to start and manage data acquisition remotely
10. Checking single run distributions (TDC, multiplicity etc)

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**Pilot episode:  
Wednesday 3<sup>o</sup>,  
February @Centro  
Fermi**

**with M. Garbini, S. Pisano  
Director: M. Pepe**



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If you want to  
contribute to some  
episodes please let  
us know: you are  
welcome!

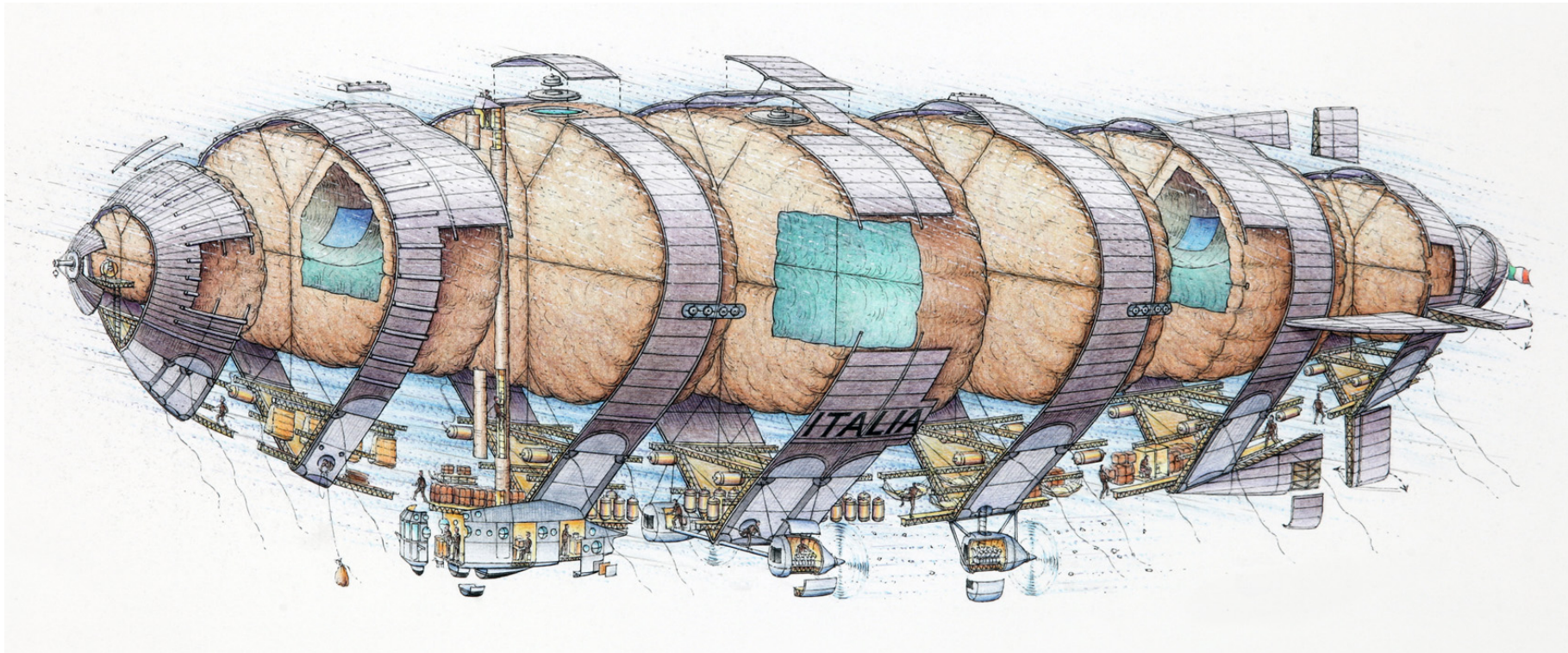
# The LOGO contest

<https://www.litaliaalpolonord.it/>



The association «L'Italia al Polo Nord» would like to include our experiment to their partner's website list.

A new logo can be prepared for the experiment, proposing a contest to the schools as done for PolarQUEEEst.



# The EEE trailer

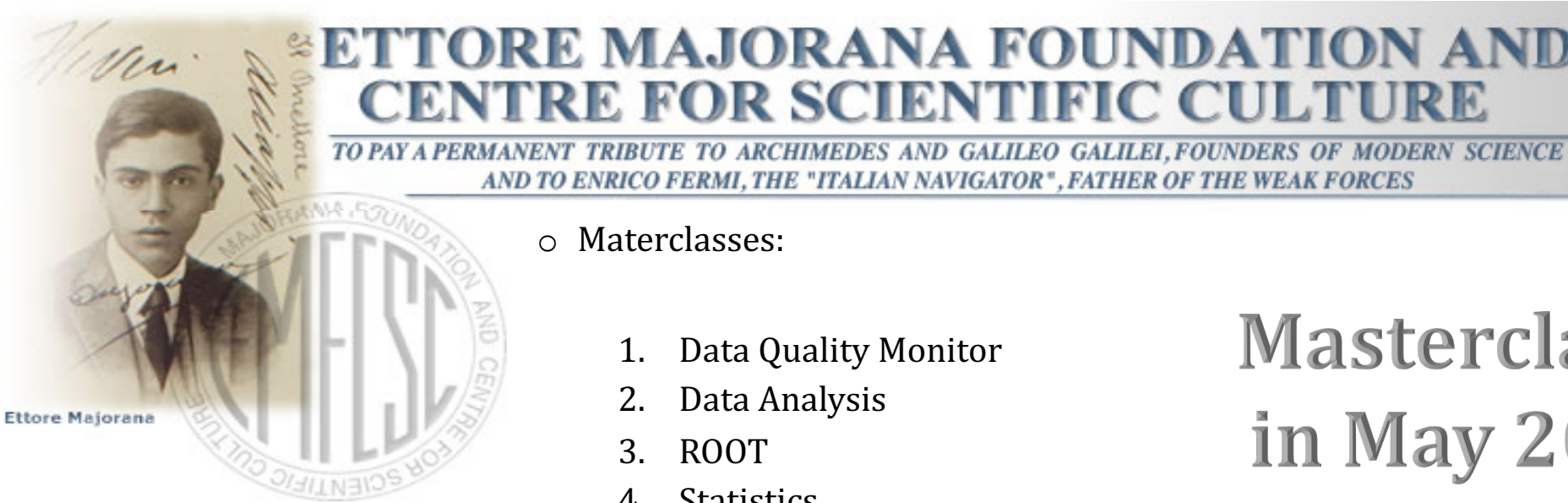
D. De Gruttola is preparing a new trailer dedicated to the EEE Project. We would like to actively involve schools in the project.

A story-board is in preparation (it will be circulated as soon as the preliminary draft will be ready).

Content-flow:

- Starting picture with a cosmic ray
- Entering the school
- Entering the Lab
- 3D simulation of the data taking
- Interviews
- Final scenes with students

## Other initiatives



- Materclasses:
  1. Data Quality Monitor
  2. Data Analysis
  3. ROOT
  4. Statistics
  5. Simulations

## Masterclasses in May 2021?

«**Conferenza del Progetto EEE**» online or in person in Erice (but, at the moment, with a limited number of participants, N < 70) → 5-10 Dicembre 2021

possible measurements can be organized with mixed groups composed of some students in person (responsible for data taking) and some online (responsible for data analysis)





**LHCP2021**  
The Ninth Annual Conference on Large Hadron Collider Physics

7-12 June 2021 Paris (France), Sorbonne Université (IN2P3/CNRS,IRFU/CEA)

D. Longieras UCLab 2021

The banner features a yellow-to-orange gradient background on the left with silhouettes of the Eiffel Tower, Notre-Dame de Paris, the Pyramids of Giza, and the Arc de Triomphe. On the right, there is a stylized diagram of a particle detector with yellow and blue lines radiating from a central point. The text is in blue and white, with the date and location in white on a blue background.

Talk opportunity@LHCP2021