

# EEE Project

Liceo Scientifico “E. Fermi”



**EEE PROJECT  
COSMIC RAYS  
MRPC  
FORBUSH DECREASE**

**SCIENTIFIC WEEK:  
DISCLOSURE OF THE EEE PROJECT**

# EEE Project



- What's the project
- How do we work
- What did we understand
  - Cosmic Rays
  - MRPC



# Cosmic Rays



- Cosmic Rays in general (particles)
- History (briefly)
  - Wulf
  - Hess

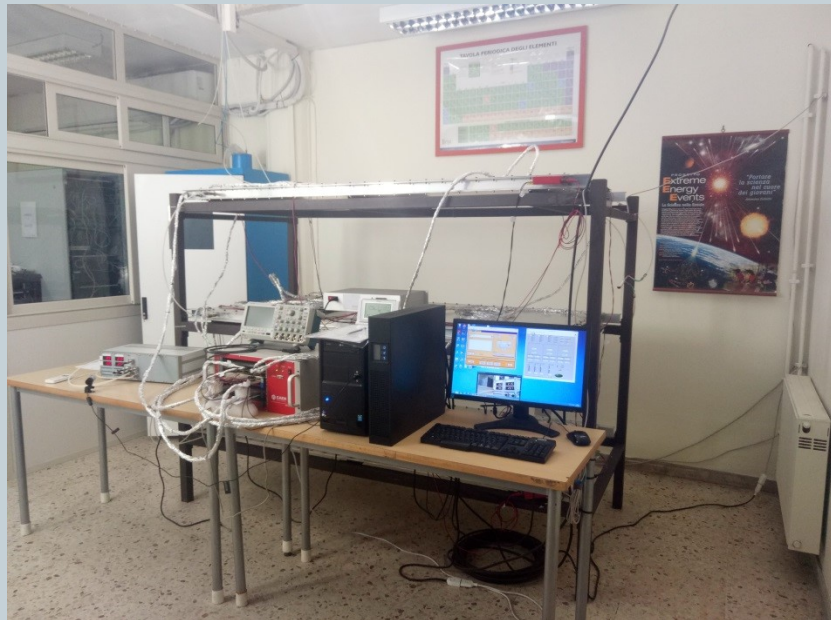
12/04/1912



# MRPC

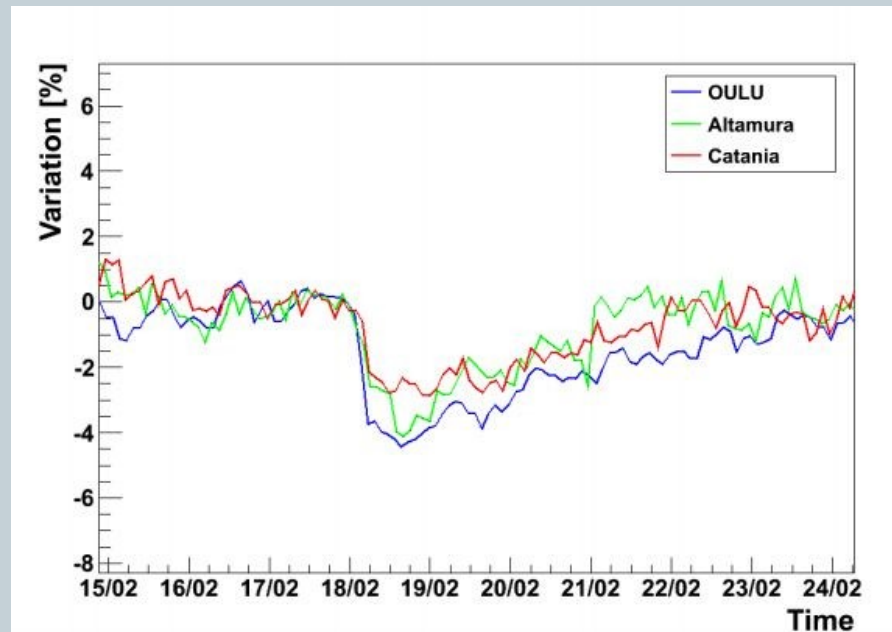


- What did our mates do
- Our MRPC
- Solved and not-solved problems



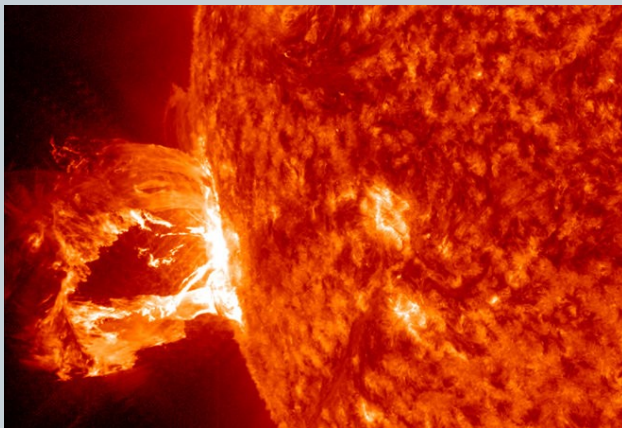
# Forbush Decrease

- What do we study
- Influence of the activity of the Sun
  - Solar Flares and CME
  - Forbush Decrease
    - First observation (2011)
    - Solar wind and muon fluxes



# Solar Flares and CME

- The activity of the sun
- What are them
  - Solar Flare
    - Energy=  $10^{25}\text{J}$
  - CME
    - Energy=  $10^{23}\text{J}$  /  $10^{24}\text{J}$

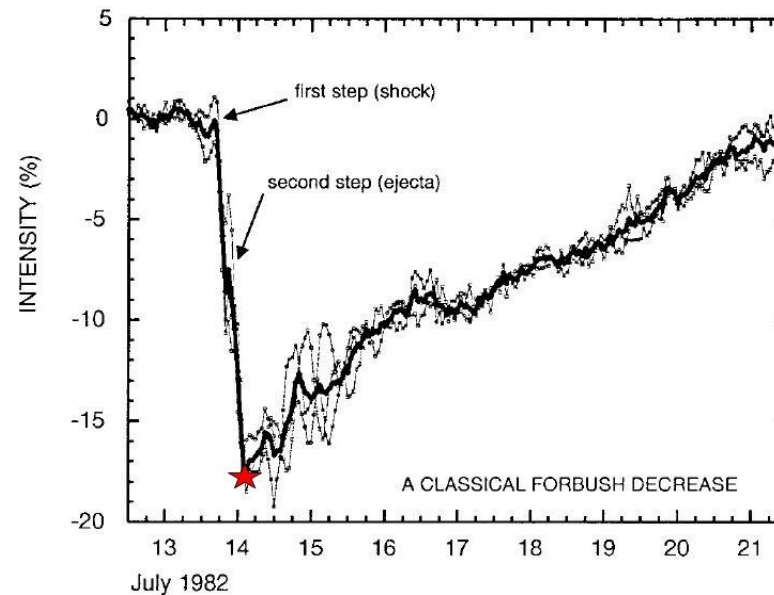


# Forbush Decrease



- What's the Forbush Decrease
- Why do we study this events
- More recent theory
  - The magnetic field

A Classic Forbush Decrease



# Scientific Week: disclosure of the EEE project



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# Conference with Zichichi



# Thank you for your attention



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