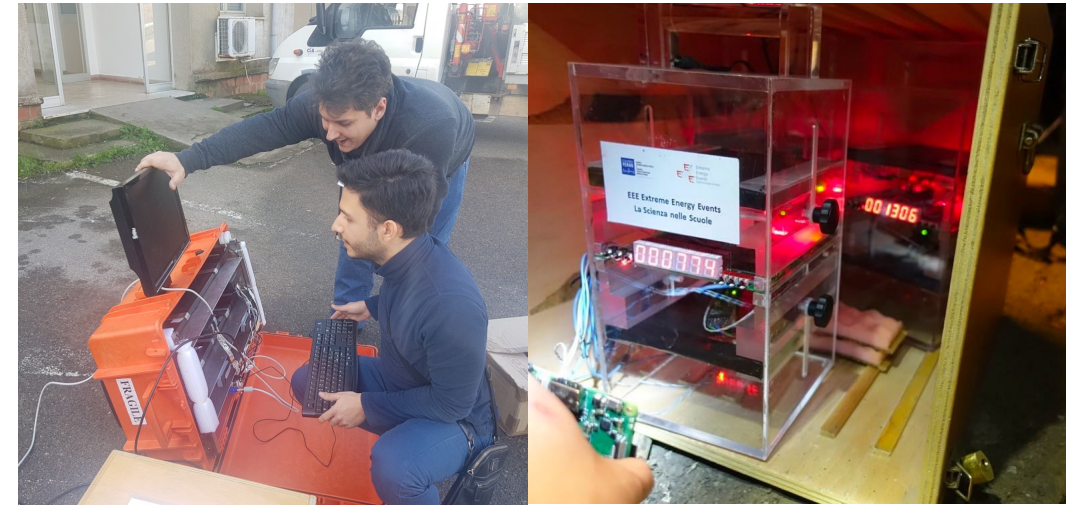


UNDERGROUND MUON FLUX MEASURED BY EEE STUDENTS

Muon flux underground has been measured at Nuraxi Figus mine (Sud Sardegna, Italy), with the involvement of High School and University students.

Schools involved:

Liceo Scientifico Statale “A. Pacinotti”, Cagliari, Sardegna
Liceo Scientifico Statale “Michelangelo”, Cagliari, Sardegna
Liceo Giulio Casiraghi, Cinisello Balsamo, Lombardia



Didactical aspects covered

▪ Physics related items

- Cosmic rays
- Particle flux attenuation through matter
- Rare events and Poisson law
- Background estimation
- Data analysis
- Applications

• Technical related items

- Particle detector building and characterization
- Experiment design and planning

• Work related items

- Safety in work area
- Installation specific safety

