











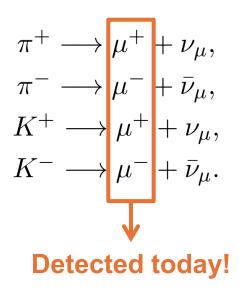
Outline

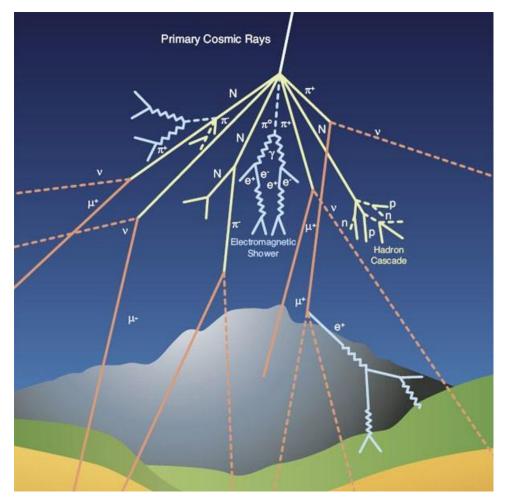
- Students from Italian high schools
- What are Cosmic Rays
- How do we measure Cosmic Rays
- Cosmic Rays Cube
- Results

What are Cosmic Rays?

Cosmic rays are high-energy particles produced both within and beyond our Galaxy.

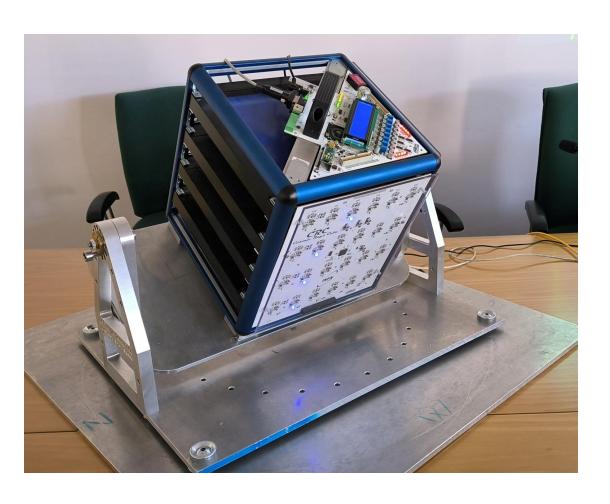
- Muons are produced by the interaction of primary Cosmic Rays with the atmosphere
- Muon livetime: $\sim 2.2 \,\mu s$





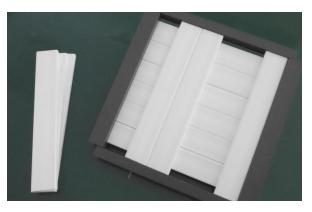
Cosmic Rays Cube (CRC)

CRC consists of 4 double scintillator layers containing 6+6 bars in X/Y setup, readout by 6 SiPMs per sub-layer.



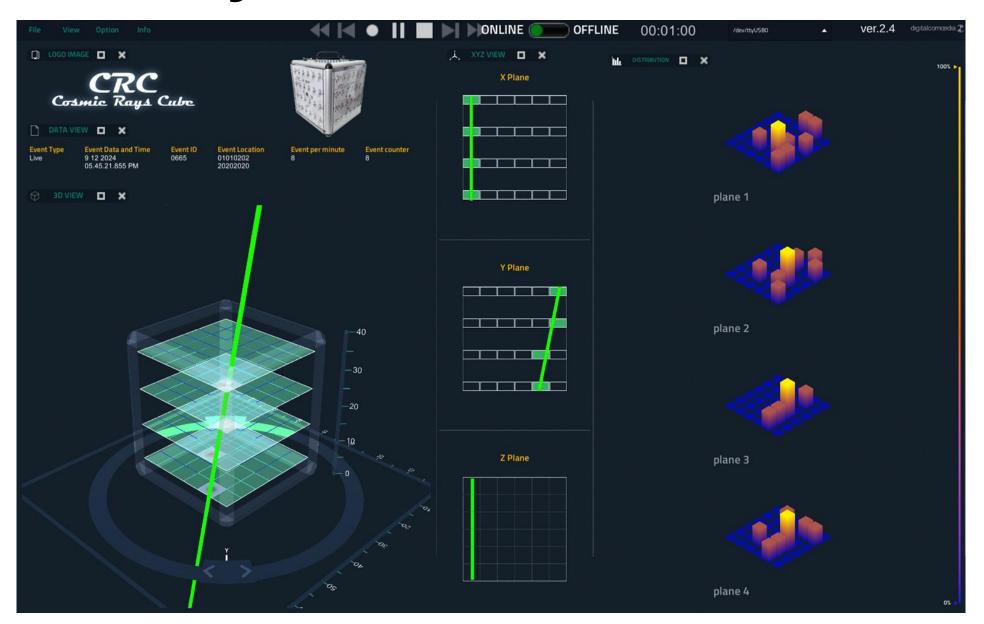








Cosmic Ray measurements with CRC



Results

• Plots of the average muon count rates with respect to the angle of incidence.

