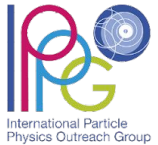


Discover Cosmic Rays

INTERNATIONAL COSMIC DAY

Liceo Fulcieri Paulucci di Calboli
November 13, 2025
Muon detection activity

© DESY, Science Communication Lab



In cooperation with
many networks and partners



Who are we?

Liceo Fulcieri Paulucci di Calboli

We are students from Liceo Fulcieri in Forlì.

We are following a four-years course and we are so glad to have had the opportunity to take part to this event. We are curious, determined and we care for our future.

Today we are here in Bologna because we were invited to attend the CTAO lessons about gamma rays and cosmic rays.



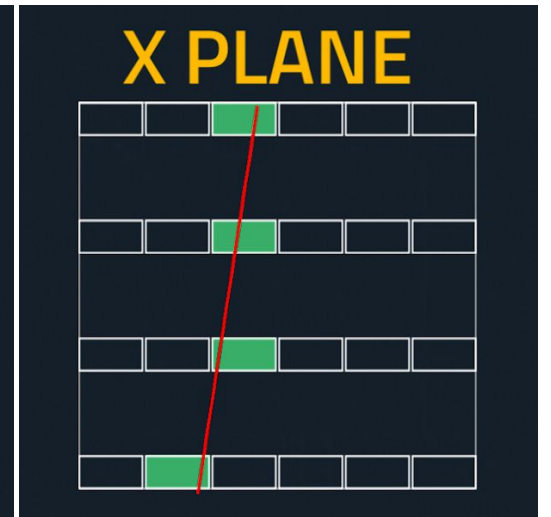
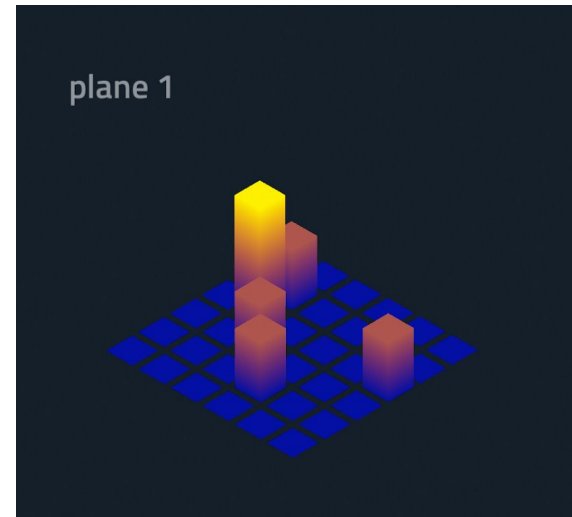
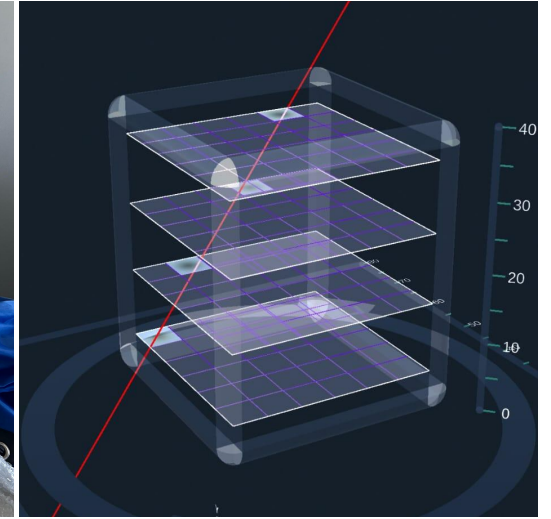
Measurements

in practice...

We used Cosmic Rays Live.

With this app we detected the passage of muons through the Cosmic Ray Cube situated in Rome.

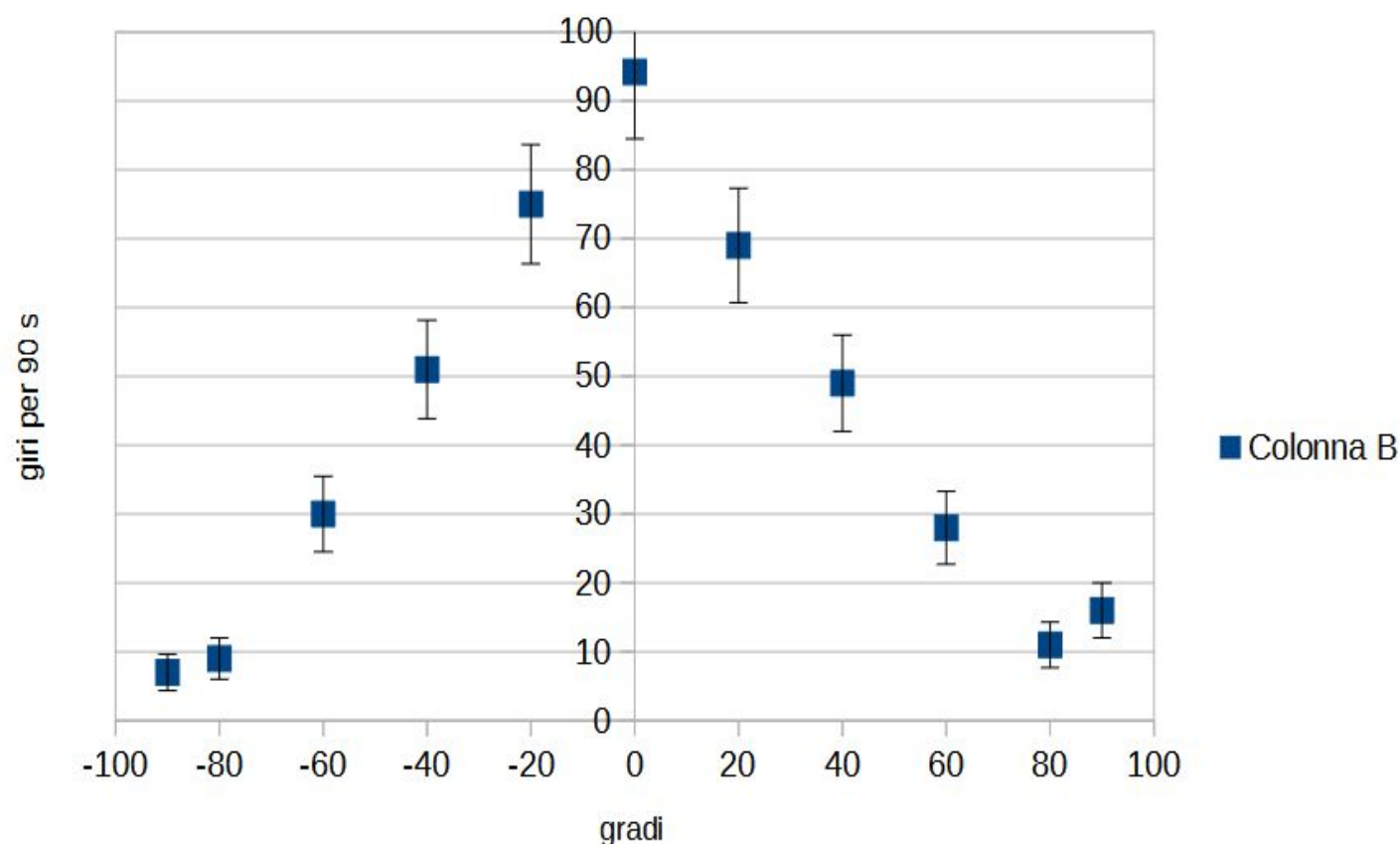
Through this app we were able to collect data, then we analyzed it and created graphs to understand the trend.



Graphs

Graph about muonic events related to degrees

We gathered the informations and data that the Cosmic Rays Cube (CRC) detected and then we made a graph as an output of the muonic events related to the degrees of inclination of the CRC, then we perfectioned it by adding the error margin.



What we liked most?

We didn't expect a telescope could be so small and with such a strange shape as a cube, for the detection of muons.

