

INTERNATIONAL COSMIC DAY

Our experience with the Geiger Counter



In cooperation with
many networks and partners

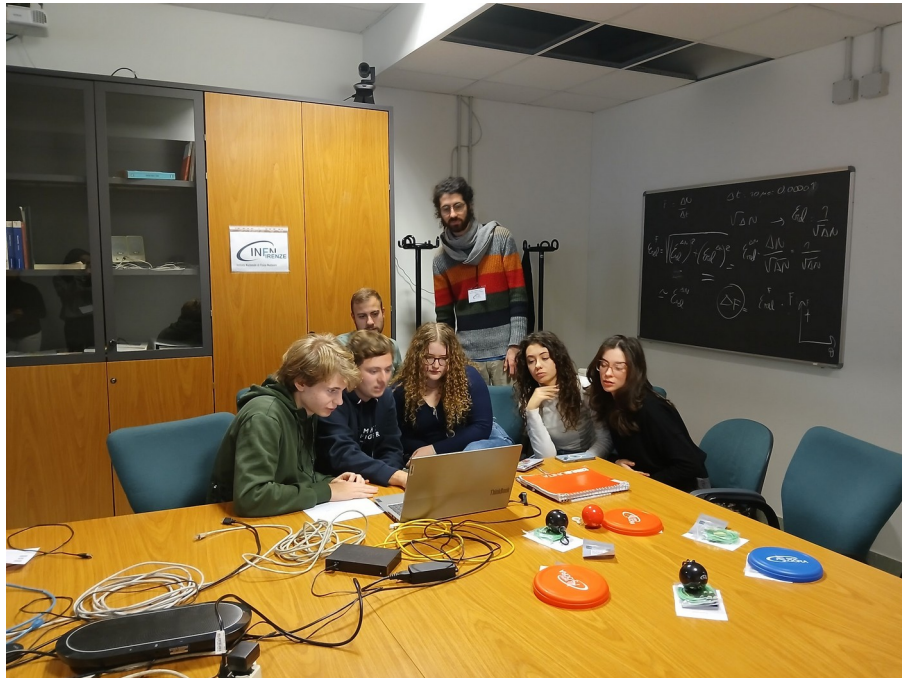


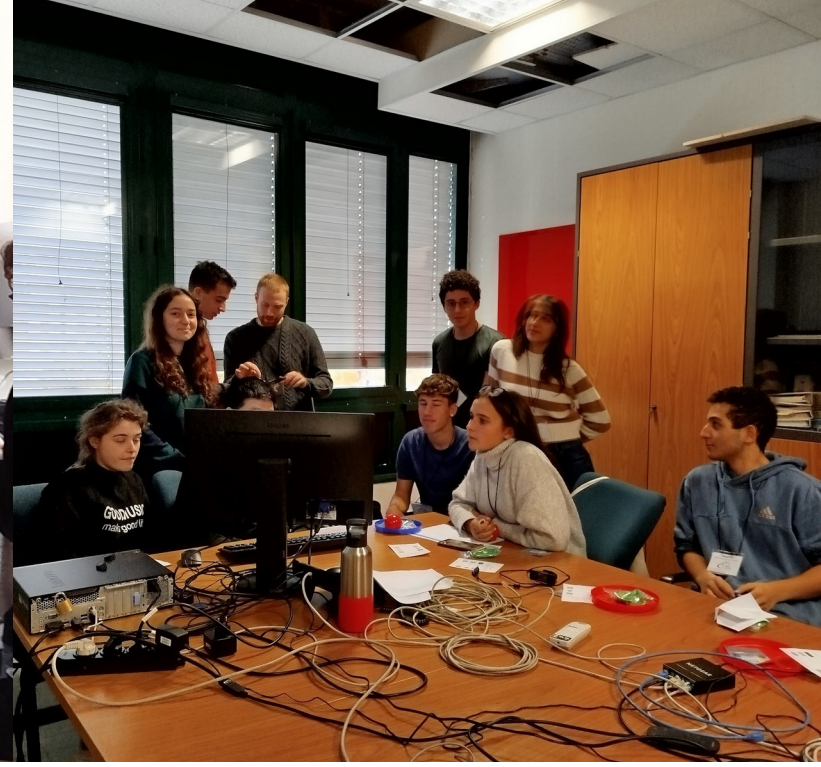
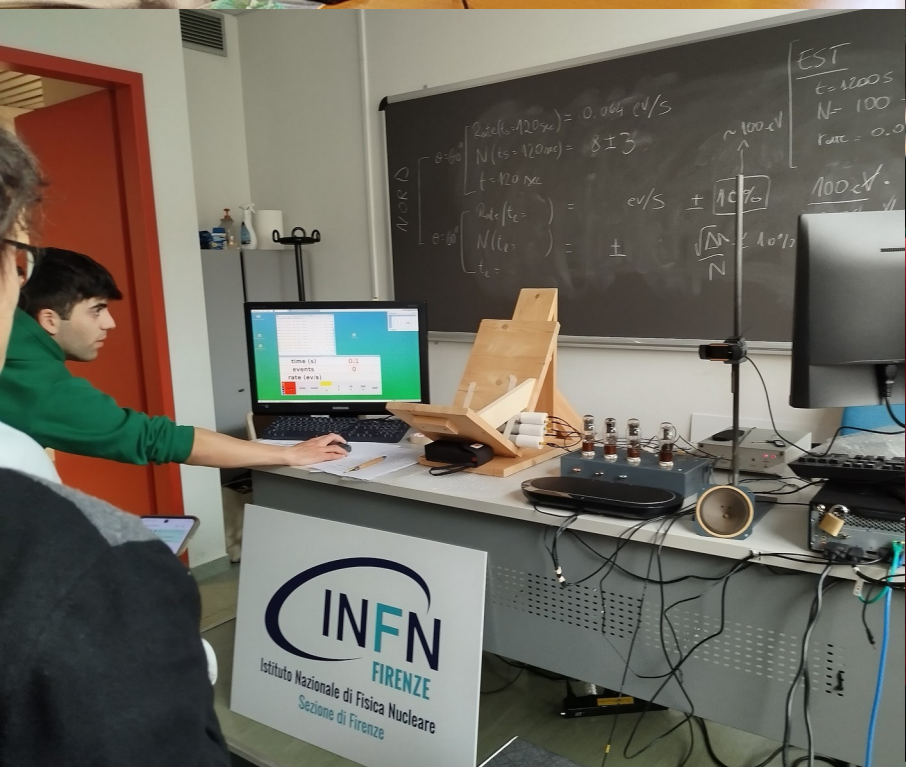
Logo
school/institute

INTRODUCING OURSELVES

- I.N.F.N. (Istituto Nazionale di Fisica Nucleare – Firenze National Institute of Nuclear Physics - Florence)
- We are a group of 42 students from different schools from Tuscany, Italy. We are passionate about Physics, therefore we met at the INFN in order to participate at the 13th International Cosmic Day.

We divided into 4 groups with different purposes.

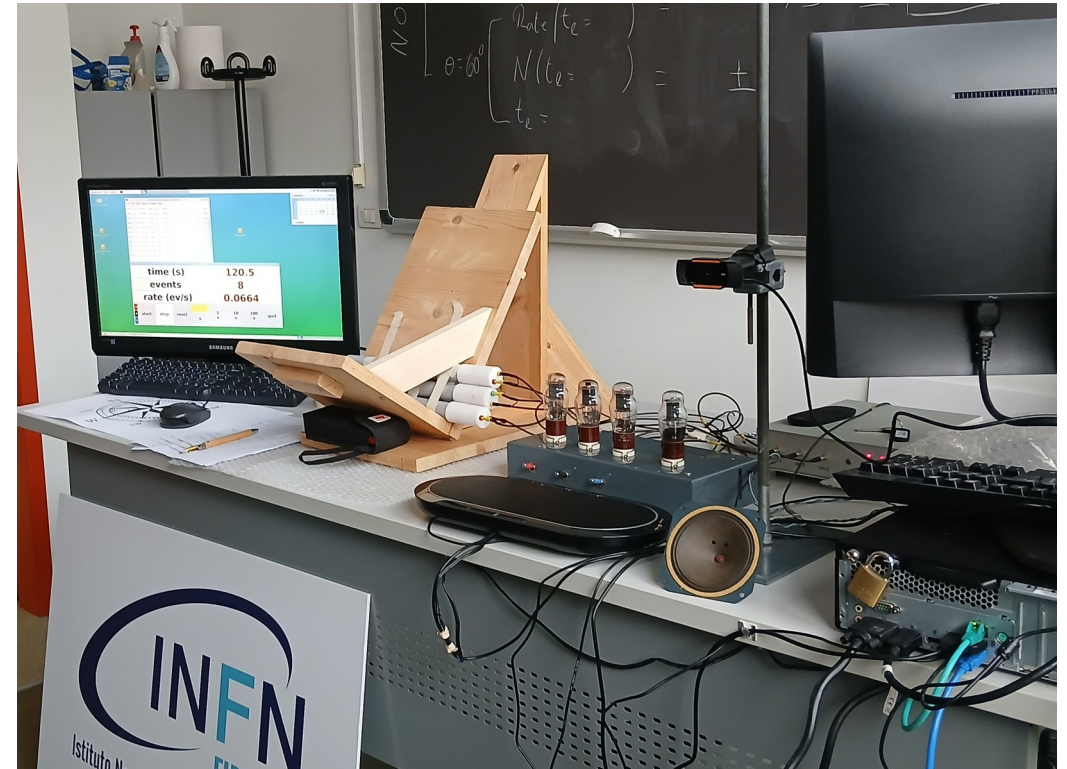






THE EXPERIMENT: GEIGER COUNTER

- Using the Geiger Counter in order to prove that the amount of cosmic rays impacting on Earth depends on the angle of incidence
- The Geiger Counter is a scientific instrument which is able to detect radioactive particles. We use it in order to find the number of muons that arrive in our lab in a certain period of time, modifying the zenith angle.



DATA RESULTS

- The graphic describes the relation between the number of muons per second detected by the counter by changing the zenith angle.

