

THE FIRST FERMI MASTERCLASS ONLINE EDITION 2020

RAINO' SILVIA*, Bissaldi, E., Bonino R., Cutini S., de Palma F., Di Venere L., Gargano F., Gasparrini D., Fusco P., Latronico L., Longo F., Loparco F., Lubrano P., Mazziotta M.N., Mereu I., Serini D.

*Università and INFN Bari – silvia.raino@ba.infn.it

- The **Fermi Masterclass is an international program** offered to **high-school students** to study cosmic objects by performing basic analyses of Fermi-LAT data
- Since **2017**, Fermi Masterclasses have been organized in **Italy** by the **Italian National Institute for Nuclear Physics (INFN)** in several cities, but due to the **Covid-19** pandemic, the **Fermi Masterclass Edition 2020** was canceled
- We decided to organize a **national online edition**, involving students from various Italian regions, though initially we were very doubtful of proposing yet another online event for high school students who could be “saturated” with this form of involvement.

THE FIRST FERMI MASTERCLASS ONLINE EDITION 2020

- We used **Zoom in webinar mode**, that allowed us to manage a large number of students and could be easily broadcasted on **Facebook** and **You Tube**!
- The event was organized to last not more than **3 hours** including general talks, interactive exercises and a final «quiz» competition among students
- To let students manage Fermi-LAT data, we had already conceived and developed interactive exercises that could be easily carried out remotely
- The feedback from both students and teachers was very positive and **now we are looking forward to 2021 Fall Edition**: virtual or not?