

# The Italian Summer Students Program at Fermilab and other US Laboratories: 40 years of education in particle physics and technology

*Thursday 18 July 2024 20:39 (21 minutes)*

Since 1983 the Italian groups collaborating with Fermilab have been running a 2-month summer training program for students in physics and engineering. Many students have extended their collaboration with Fermilab for their Master Thesis and PhD.

The program has involved more than 600 students from more than 20 universities. Each intern is supervised by a Fermilab Mentor. Training programs spanned from Tevatron, CMS, Muon (g-2), Mu2e and SBN and DUNE design and data analysis, development of detectors, electronic and accelerator components, infrastructures and software for tera-data handling, quantum computing and superconductive magnets.

In 2015 the University of Pisa included the program within its own educational programs. Students are enrolled at the University of Pisa and at the end of the internship write reports on their achievements. In 2020 and 2021 the program was canceled, but in 2022 and 2023 it allowed a total of 48 students to be trained for nine weeks at Fermilab.

## Alternate track

### I read the instructions above

Yes

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