

Fostering a STEM workforce

Fermilab partners with educators to introduce youth to the world of science and trains college and university students in high-tech research and development.

Statistics

K-12 students

FY2023

Students participating in activities at Fermilab

3,825

Students visited in classrooms by Fermilab staff

6,115

K-12 teachers

FY2023

Educators attending workshops at Fermilab

509

Teachers holding summer research internships

8

College & university students & adults

FY2023

Students involved in on-site programs or internships

320

Ph.D degrees received from research at Fermilab

2,550 since 1974



Activities

The national QuarkNet program, led by the University of Notre Dame and Fermilab, involves about 600 high school physics teachers. It gives students hands-on research experience as part of an international scientific collaboration.

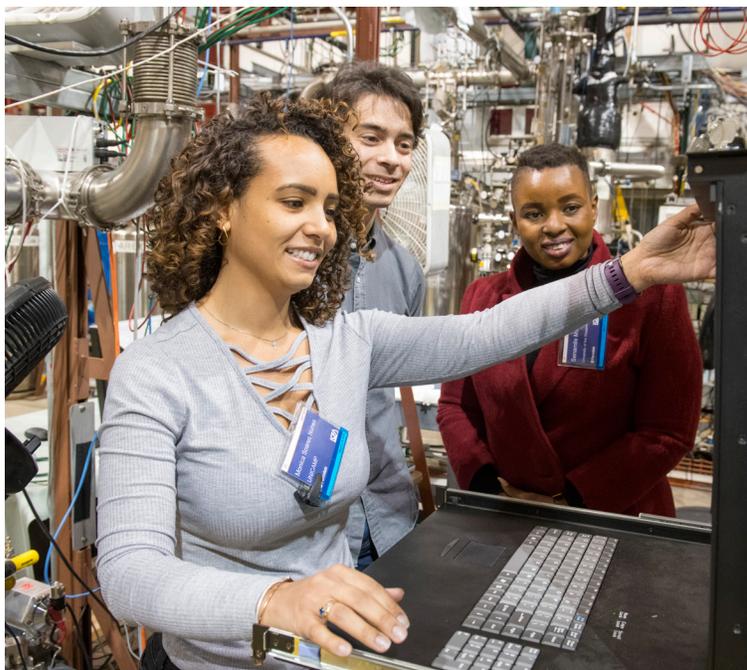
Fermilab operates the Lederman Science Center, a free hands-on science education center that welcomed more than 6,000 walk-in visitors and over 3,000 students on field trips in FY2023.

Fermilab staff members serve as mentors to high school students for periods ranging from 6 weeks to 8 months. Students learn how scientists pursue discoveries in science, engineering and computing.

The Saturday Morning Physics program offers an eleven-week course for up to 300 local high-school students a year.

In 2022, Fermilab opened a MakerSpace at the Lederman Science Center for students to experience project-based learning programs such as “STEM Spotlight” and “Visualizing STEM.”

Fermilab offers internships for college students studying science, engineering, computing, ecology and science journalism. Learn more at internships.fnal.gov



Learn more about Fermilab's Education Office at ed.fnal.gov.