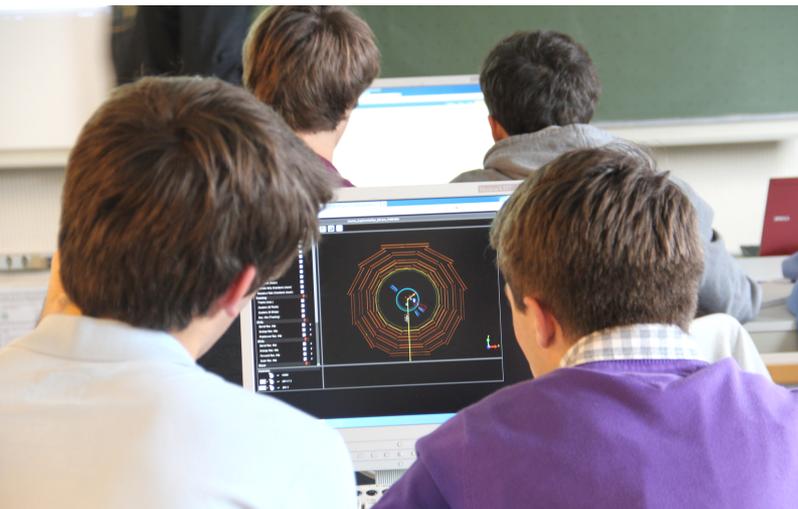


INTERNATIONAL



MASTERCLASSES

hands on particle physics



HIGH SCHOOL STUDENTS DISCOVER

THE WORLD OF PARTICLE PHYSICS

Each year more than 13.000 high school students in 52 countries come to one of about 200 universities or research centres for one day in order to unravel the mysteries of particle physics.

FOR 15- TO 19-YEAR
OLD STUDENTS

HELD AT
UNIVERSITIES AND
RESEARCH LABS
WORLDWIDE

ORGANIZED EVERY
YEAR IN
MARCH/APRIL

DURATION: 1 DAY

FREE OF CHARGE



**"The
Masterclass
was an
incredible
experience for
me because it
makes "real"
particle
physics
accessible to
even high
school
students."**

MORGAN LOGSDON,

**STUDENT (GRADE 11)
MILLS E. GODWIN HIGH
SCHOOL, VIRGINIA, USA**

MASTERCLASS DAY:

- Introduction to particle physics.
- Tour of facilities/lab.
- Lunch with physicists.
- LHC data analysis (measurement activity)
- Discussions of results.
- Video conference for discussion and combination of results between the institutes and moderators at CERN or Fermilab.

STUDENTS WILL:

- Go to a nearby university or research centre.
- Learn about basic research on matter and forces.
- Perform measurements on real data from particle physics experiments at CERN.
- Participate in an international video conference to discuss results.

Are you interested in participating?

Contact: