

## PRIZES

### Winning teams:

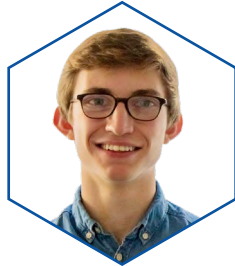
Trip of about two weeks to DESY to carry out your experiment with full cost covered by BL4S (up to 9 students and 2 adult coaches per team).

### Shortlisted teams:

Up to 30 shortlisted teams win a BL4S T-shirt for each team member and other cool prizes.

### All teams:

All participants receive a BL4S digital certificate to acknowledge submission of their proposal.



*"THE MOST BENEFICIAL IMPACT HAS BEEN THE STRONG TEAM-WORKING AND COMMUNICATION SKILLS I DEVELOPED."*

Member of 2016 winning team – now a student at MIT



*"THIS IS SUCH A VALUABLE EXPERIENCE FOR ME. I HOPE THIS INSPIRES YOUNG STUDENTS ALL AROUND THE WORLD."*

Member of 2018 winning team – now a student at UBC

## WANT TO KNOW MORE?

### Information for teachers:

- BL4S motivates students to grow beyond the curriculum.
- The BL4S team is here to help teachers - just get in touch!
- Participation in BL4S can be done within a student project.
- Students can also enter independently without teacher supervision; nevertheless, an adult team coach needs to submit the proposal.

**Give your students a chance to participate and let them become the scientists of tomorrow!**



Contact: [bl4s.team@cern.ch](mailto:bl4s.team@cern.ch)

Join the adventure here: [cern.ch/bl4s](http://cern.ch/bl4s)



Beamline for Schools is an Education & Outreach project organised under the auspices of the [CERN & Society Foundation](http://cern.ch/society), the charitable arm of CERN. For more information, please visit: [cern.ch/giving](http://cern.ch/giving)



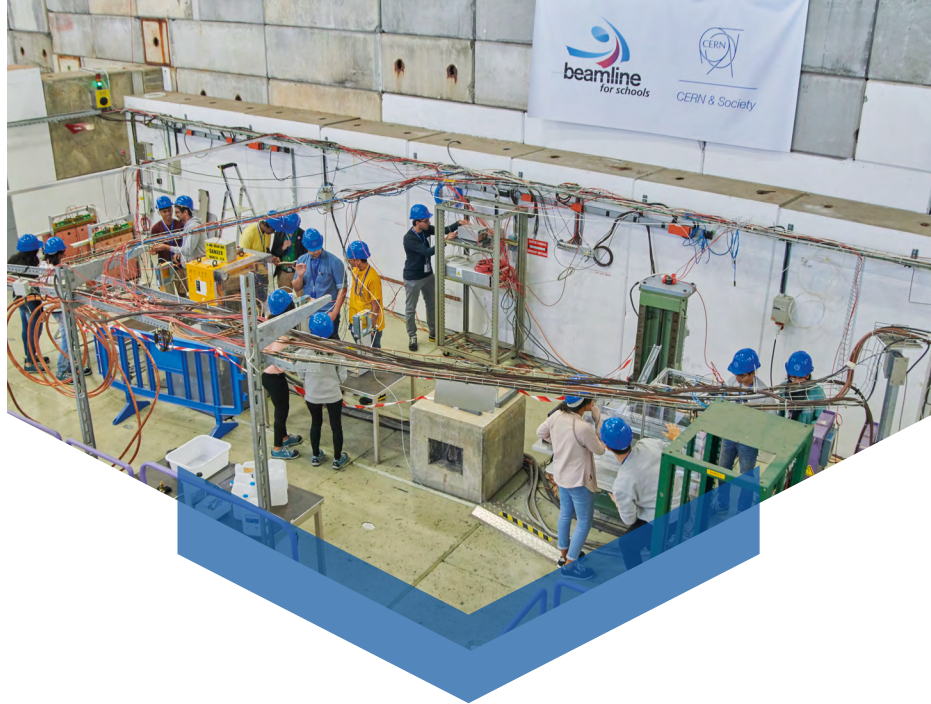
<http://cern.ch/bl4s>

# Beamline for Schools

## A science competition for high-school students







# ABOUT THE COMPETITION

Did you ever wonder what it is like to be a scientist?

BEAMLINE FOR SCHOOLS (BL4S) is an international science competition organised by CERN, the European Organization for Nuclear Research, in Geneva, Switzerland. It is open to all high-school students around the world.

We invite teams of at least five students and at least one adult coach to propose a scientific experiment to perform at a particle accelerator's beamline. What better way to learn about physics?

The winning teams will be invited to DESY\* in Germany, a world-leading accelerator centre, to carry out their experiments together with professional scientists from CERN and DESY.

\* During the period of shutdown of CERN's accelerators for maintenance and upgrade, the winning experiments will be run at DESY.

# TIMELINE



# EXPERIMENTS AND SUPPORT

Jump into the fascinating world of particle physics and think of a simple and creative experiment!

Previous winners have investigated the structure of the pyramids, looked for particles that no-one has seen before, or developed their own particle detector. What will you do?

If you need inspiration, take a look at the videos of previous winners. We also recommend you study our example experiments and additional information about the beam and available detectors. All this and more is to be found on our website.

You are not alone! National contacts in about 30 countries are standing ready to answer your questions and help in the development of your proposal.

Up for a challenge? Register now and take part in this unique once-in-a-lifetime opportunity!

