



## CERN announces the fourth edition of the Beamline for Schools competition

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CERN is pleased to announce the 4th edition of the Beamline for Schools Competition. Once again, in 2017, a fully equipped beamline will be made available at CERN for students. As in previous years, two teams will be invited to the Organization to execute the experiments they proposed in their applications. Additional prizes such as t-shirts and fully functional particle detectors are available for shortlisted teams. Every participant will receive a written certificate.

The competition is open to teams of high-school students aged 16 or older who, if they win, are invited (with two supervisors) to CERN to run their experiment. Teams must have at least five students but there is no upper limit to a team's size (although just nine students per winning team will be invited to CERN). Teams may be composed of pupils from a single school, or a number of schools working together.

As science-loving, mega-celebrity Will.I.Am. told us: "If you're interested in science, technology, engineering, mathematics you should sign up, if I was a kid I'd do the same thing."

Previous winners have tested webcams and classroom-grown crystals in the beamline, others have studied how particles decay and investigated high-energy gamma rays. What would you do?

Interested? Think of a simple, creative experiment and [pre-register](#) your team in order to receive the latest information about the competition and to hear when the proposals submissions open.

Not sure if you should apply? Don't be scared: a clever idea is all it takes to enter the competition. We can put every team in contact with experts that help them to refine their ideas and extensive documentation is available to both teachers and students.

Don't miss this unique opportunity! BL4S does more than just give high school students a chance to play on actual, functioning science equipment: it exposes a host of students and teachers to particle physics and gives them the chance to be real scientists.

You can find out more about how to apply, about the beamline and facilities, and read about previous winning teams on the [BL4S website](http://cern.ch/bl4s) (cern.ch/bl4s). The deadline for submissions is 31 March 2017.

Take part!

**Links for quick access:**

Home page:  
[cern.ch/bl4s](http://cern.ch/bl4s)

Prizes :  
<http://beamline-for-schools.web.cern.ch/prizes>

Invitation:  
[http://beamline-for-schools.web.cern.ch/sites/beamline-for-schools.web.cern.ch/files/BL4S-Invitation\\_2.pdf](http://beamline-for-schools.web.cern.ch/sites/beamline-for-schools.web.cern.ch/files/BL4S-Invitation_2.pdf)

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