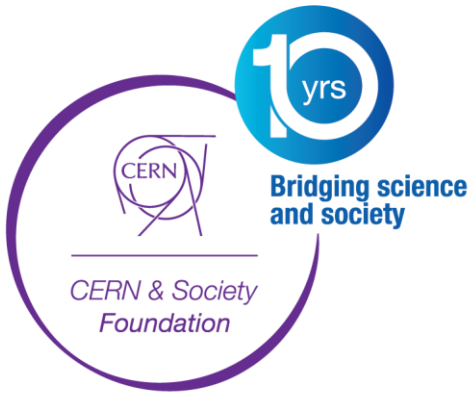
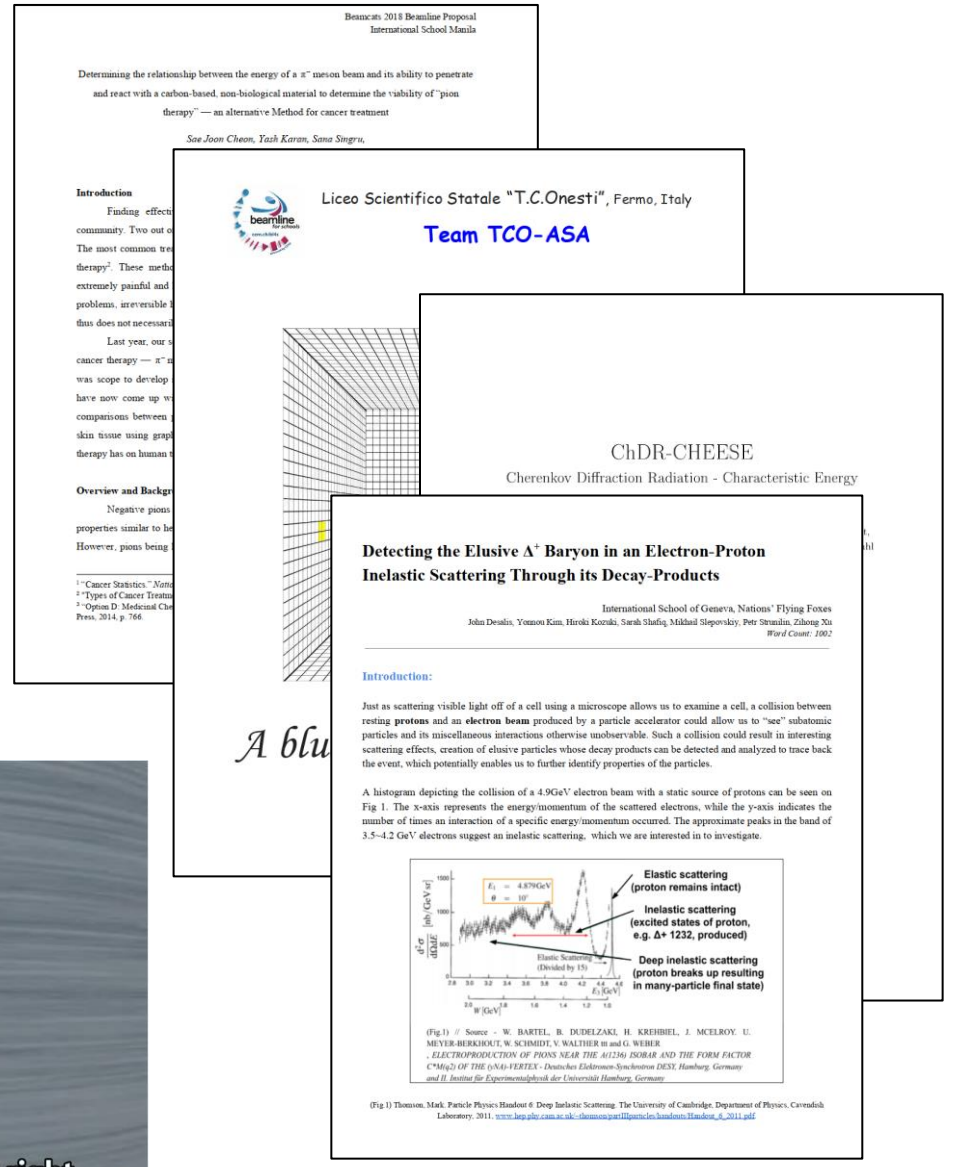
Beamline for Schools

A physics competition for high-school students



BL4S 10th anniversary

In 2024, **461 teams** representing **78 countries** submitted a proposal, in total **more than 3000 high-school students**!



Winning teams 2024

Congratulations!

- **“Mavericks" from Estonia (CERN)** calibrate their homemade muon detector for high-altitude ballooning applications
- **“Sakura Particles" from Japan (CERN)** optimise their homemade two-dimensional muon detector for muon tomography applications
- **“SPEEDers" from the USA (DESY)** research Smith Purcell radiation as a tool for beam diagnostics

Winners of the 2024 CERN Beamline for Schools competition: Sakura Particles” from Japan (left), “Mavericks” from Estonia (top right) and “SPEEDers” from the USA (bottom right) “(Images: Sakura Particles, Mavericks, SPEEDers)

First Group Picture

Stay at CERN

Safety Day

Safety Day

Introduction

Stay at CERN

First visit at the beamline

Stay at CERN

Visiting CERN

Stay at CERN

Finally beam days, data analysis and hands-on …

However, we were so busy that we haven't uploaded any pictures yet :(

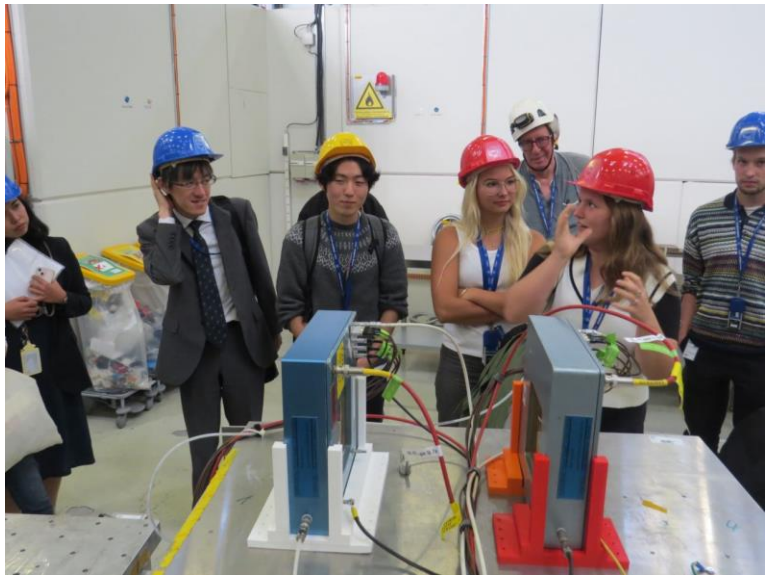
Luckily, Rolex filmed and photographed us for 3 days!

Stay at CERN

Celebration of the 10th anniversary

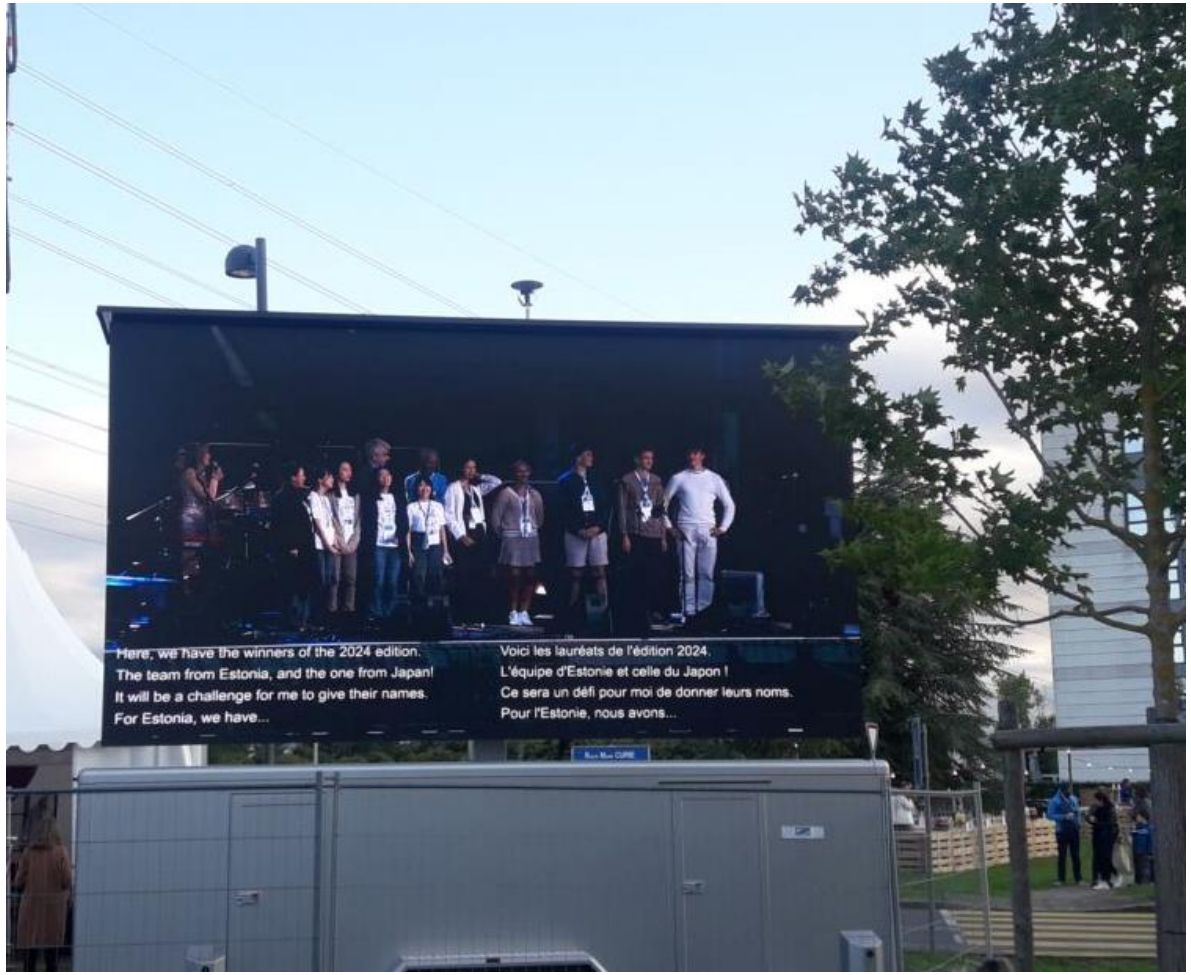
Stay at CERN

Celebration of the 10th anniversary



Stay at CERN

CERN70 event



Stay at CERN

Visiting CERN

Stay at CERN

Visiting Geneva

Stay at CERN

Visiting Geneva

Visiting CERN

Au revoir*

*French for “see you again”

Departure

26 September:

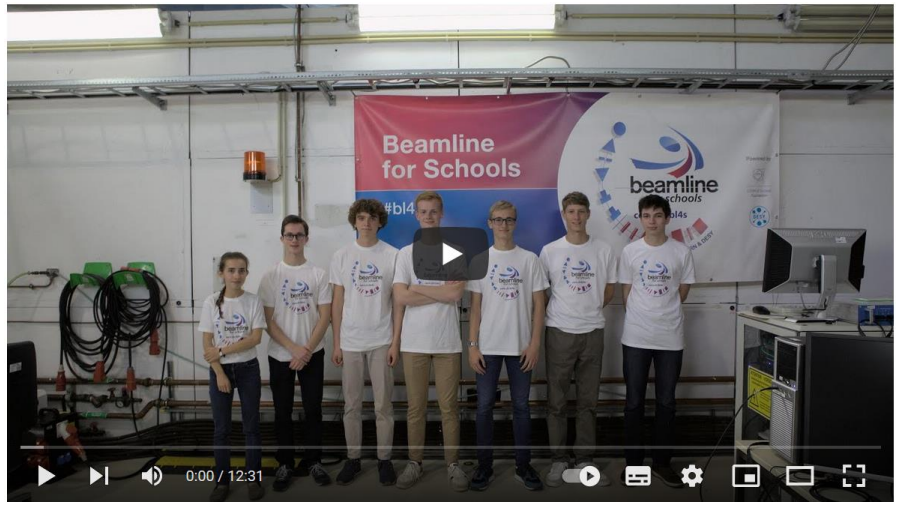
- **Check out** from the hotel by 12:00
  - luggage can be stored in the hotel
  - remove food (if any) from the fridge
- You can keep your safety shoes and helmets

*Return your **dosimeter, CERN card, and lunch check** to Sarah & Markus!*

It’s just the beginning …

BL4S will not be over on 26 September

- **Continue analysing the data** you will collect
- Write a **report** about your experience at CERN that can be published on the BL4S website
- Write a **scientific paper** about the results of your experiment ⇨ We will help you publishing it in a scientific journal!



Share your experience with others!

beamline for schools
cern.ch/bl4s
10th anniversary
powered by CERN & DESY

It was a great pleasure to meet you and to conduct experiments with you all! :)

We will miss you very much!

CERN DESY

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And most importantly: Thank you so much to our **support scientists** for all your **time, kindness, and endless patience and passion**!

We wish that you can catch up on sleep!

CERN DESY

Thank you so much to all our fantastic supporters!