

Beamline for Schools

14 - 28 September 2023

Welcome to CERN!

Sarah Zoechling, Markus Joos, Berare Gokturk,
Martin Schwinzerl, and so many more precious
supporters and volunteers



Event website and timetable

Overview

Timetable

Videoconference

Safety Courses at CERN

Additional information

Beamline for Schools 2023

Useful contacts:

- Sarah Zoechling (Project manager): sarah.zoechling@cern.ch, phone: +41754118292
- Markus Joos (Technical coordinator at CERN): markus.joos@cern.ch, phone: +41754110663
- Berare Gokturk (Support scientist at CERN): berare.gokturk@cern.ch
- Martin Schwinzerl (Support scientist at CERN): martin.schwinzerl@cern.ch



Event website: <https://indico.cern.ch/event/1233355/>

Timetable: <https://indico.cern.ch/event/1233355/timetable/#20230914.detailed>

Check them regularly for updates!



CERN access card



... has to be

- ❖ worn visibly all the time and
- ❖ returned at the end of your stay.

If you leave the CERN campus (e.g. for going to Geneva), take it with you as you will need it to enter again!

Lunch Checks

Pre-paid card (“**lunch checks**”) to pay for your meals

- ❖ loaded with a fixed amount of money: **35 CHF per day** to pay for **breakfast, lunch, and dinner**
- ❖ has to be returned at the end of your stay
- ❖ *does not work at the vending machines and in the restaurant located in the Preveessin campus*



Water

Use **your new bottle**
for drinking water
(from tap or dispensers)



Wi-Fi



... is freely available at CERN

- ❖ Use your **CERN computing account credentials** to connect to the Wi-Fi network called “**CERN**”.
- ❖ Please do not use the network “**CERN-Visitors**” (it would only be available for you for some days).

MapCERN

... is freely available online (<https://maps.web.cern.ch>)

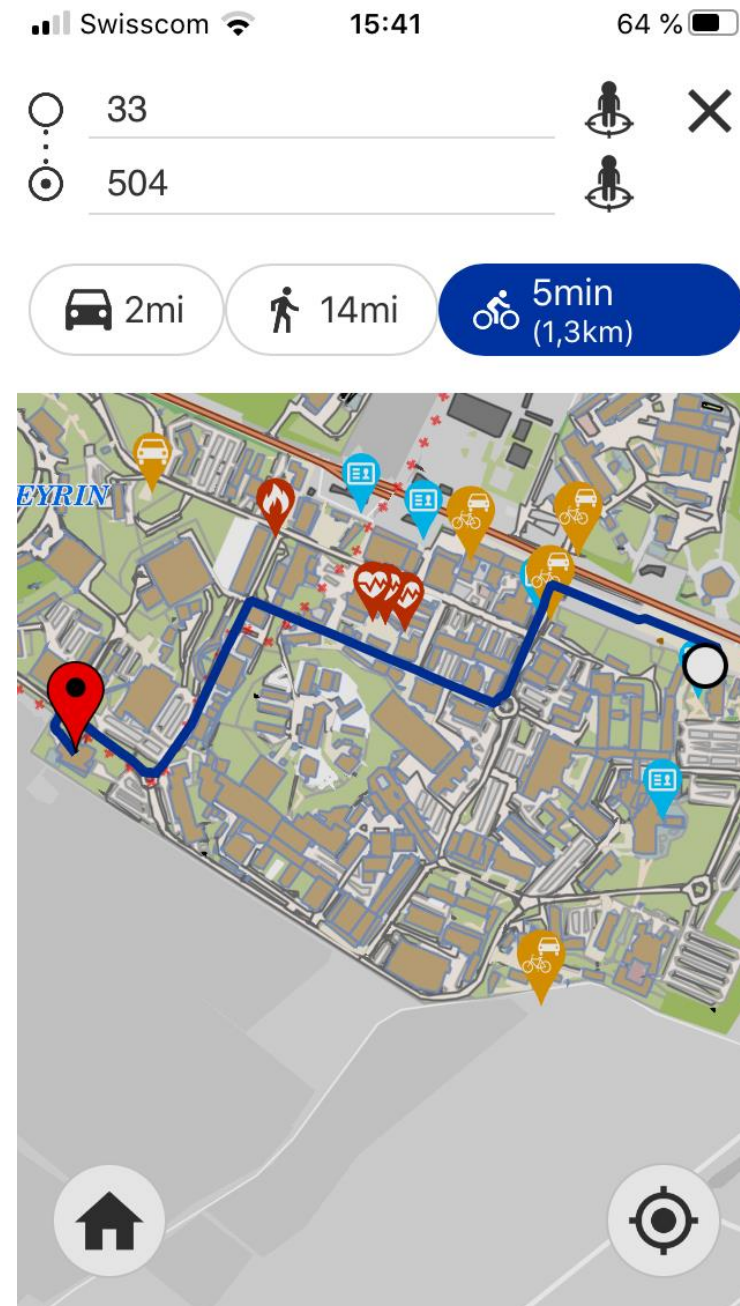
❖ Android:

<https://play.google.com/store/apps/details?id=ch.cern.mapcern&hl=en&gl=US>



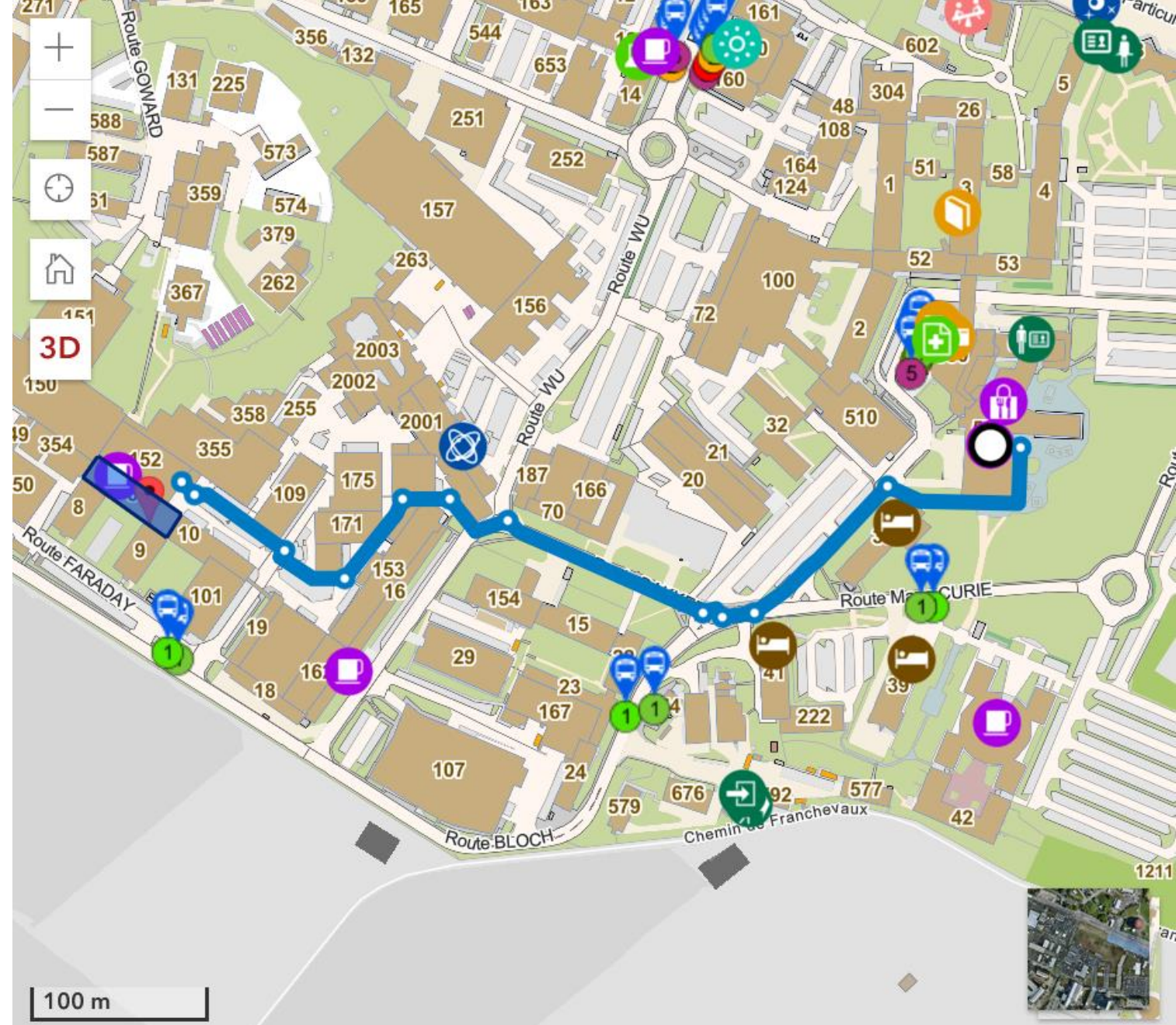
❖ Apple:

<https://apps.apple.com/us/app/mapcern/id471256383?platform=iphone>



MapCERN

For example:
From Restaurant 1 to
room 6/R-012



CERN

An overview

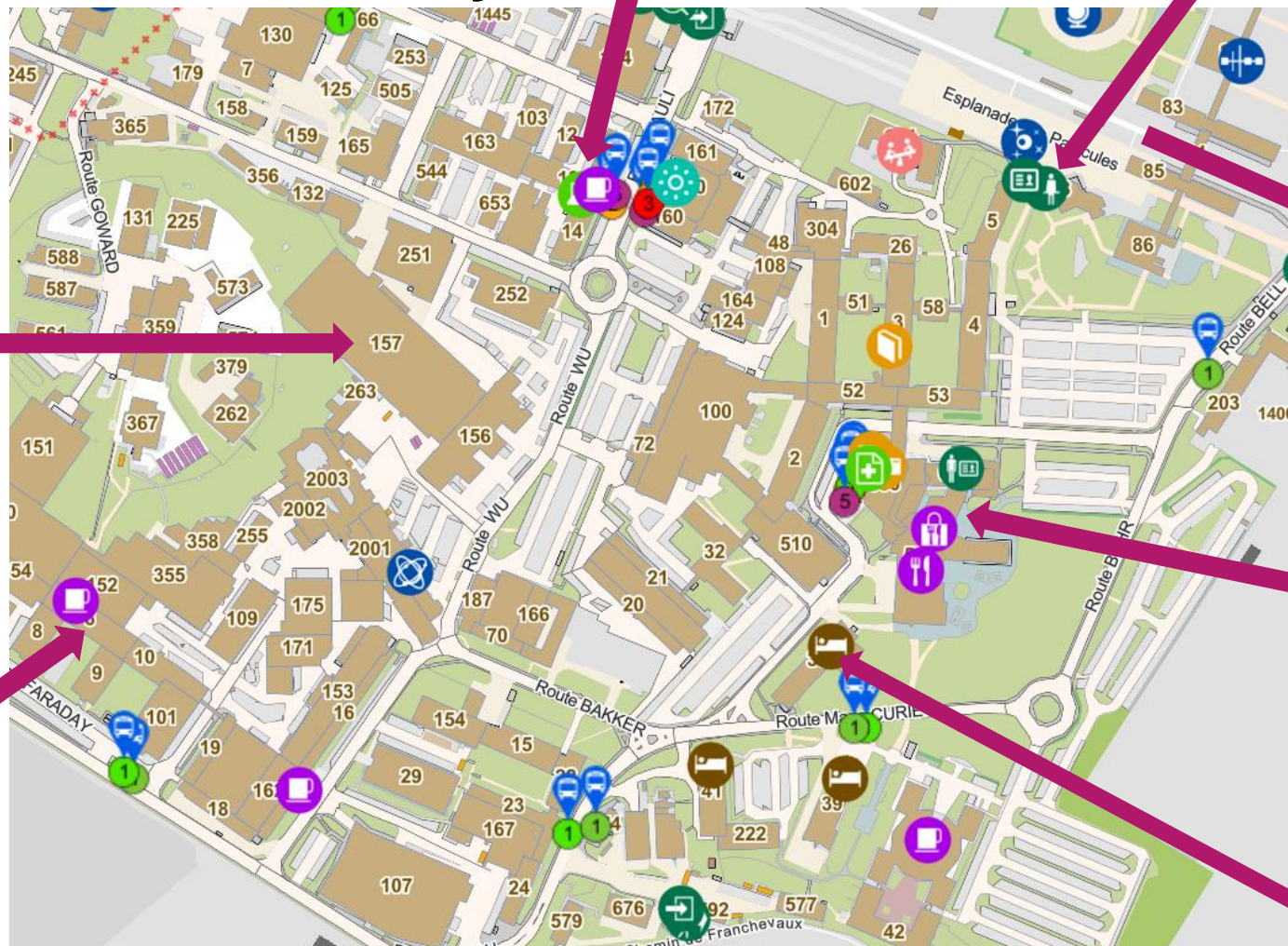
11, 13: Hands-on & data analysis

33: Reception & gift shop

**157: T10
(Experimental area)**

**Road to
Geneva,
tram station**

**6: Good
morning
meeting**



**501: Main
building,
restaurant 1**

38: Hostel

Hotel

- ❖ Please respect the **quiet hours** (22:00 to 07:00)
- ❖ If you need anything (e.g. access to the laundry room), ask directly at the **hotel reception**.
- ❖ You can use the kitchen and fridge
- ❖ **Check out** time is at 12:00





What will happen during
your stay?

Timetable

- Overview
- Timetable
- Videoconference
- Safety Courses at CERN
- Additional information

Timetable

< Thu 14/09 **Fri 15/09** Sat 16/09 Sun 17/09 Mon 18/09 Tue 19/09 Wed 20/09 Thu 21/09 >

Print PDF Full screen **Detailed view** Filter
Session legend

☒ Program at CERN ☐ Program at DESY

Choose
‘Detailed view’

Choose
‘Program at
CERN’

08:00		
	Introduction on Safety 6/R-012 - conference room, CERN	Christoph Balle 08:45 - 09:00
09:00	Environmental Protection 6/R-012 - conference room, CERN	Anna Cook 09:00 - 09:20
	Gas and Chemicals 6/R-012 - conference room, CERN	Jonathan Gulley 09:20 - 09:30
	Break	09:30 - 09:40
	Electrical Safety 6/R-012 - conference room, CERN	Igor Neuhold 09:40 - 10:00
	Session	Robert Froeschl 10:20 - 10:30
		10:30 - 10:40
		10:40 - 10:50
		10:50 - 11:00
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		23:50 - 00:00

☒ Program at CERN
☐ Program at DESY

Filter options Sessions Rooms Reset filter

Outlook

- ❖ Friday, September 15: **Safety Day & Welcome Reception**
- ❖ Saturday, September 16: **Introduction Day & Visits**
- ❖ Sunday, September 17: **Visit to Geneva**
- ❖ September 18-26: **Beam Days** (incl. Lectures & Visits)
 - + Wednesday, September 20: Celebration of the 10th Edition
 - + Saturday, September 23: Fondue in Geneva
- ❖ Wednesday, September 27: **Final Presentations**
- ❖ Thursday, September 28: **Departure**

Presentations

- 1) Saturday, September 16:
Introduction Day
- 2) Wednesday, September 20:
**Celebration of the
10th Edition**
- 3) Wednesday, September 27:
Final Presentations



- Sarah Zoechling (Project manager): sarah.zoechling@cern.ch, phone: +41754118292
- Markus Joos (Technical coordinator at CERN): markus.joos@cern.ch, phone: +41754110663
- Berare Gokturk (Support scientist at CERN): berare.gokturk@cern.ch
- Martin Schwinzerl (Support scientist at CERN): martin.schwinzerl@cern.ch
- Marcel Stanitzki (Technical coordinator at DESY): marcel.stanitzki@desy.de
- Antoine Laudrain (Support scientist at DESY): antoine.laudrain@desy.de



Beam Days' Timetable



Starts 14 Sept 2023, 08:00

Ends 28 Sept 2023, 20:45

Europe/Zurich



[Antoine Laudrain](#)

[Berare Gokturk](#)

[Marcel Stanitzki](#)



[Student groups at CERN.pdf](#)

[Student shifts at CERN.pdf](#)



Every **beam day** (September 18 to 26) starts with a hybrid *‘good morning meeting’* together with DESY. *Check the location!*

You find the documents **‘student groups’** and **‘student shifts’** for the **beam days** on the website

Beam days

September 18 to 26

Student groups

Last Name	First Name	Group
Vohra	Ishaan	1
Masood	Muhammad Abdullah	
Morand	Peter	
Abbas	Muhammad Zohaib	

Rajaram	Achyuta	2
Abdali	Muhammad Asadohoo	
Soh	William	
Haider	Muhammad Hasnain	

Vesely	Isabella	3
Akram	Abdul Wahab	
Jeon	Daniel	
Maitla	Muhammad Mansoor Afzal	

Lu	William	4
Bilal	Muhammad Saad	
Ahmed	Wasif	
Tarar	Muhammad Salman	
Zhang	Aubrey (<i>leaves on September 19</i>)	

Akhtar	Muhammad	Coaches
Ahsan	Hayat	
DiCarlo	James	

Beam days

September 18 to 26

Student shifts:

- ❖ Test Beam
- ❖ Data Analysis
- ❖ Hands-on

Timetable of the groups (BL4S 2023)

**Groups marked with an asterisk (*): Please leave 15min earlier to be on time for your test beam shift!*

Monday 18						
Time Slot		Test Beam (T10, building: 157)	Time Slot		Data Analysis (room: 13/1-017)	Hands-On (room: 11/R-014)
10h30-12h00		Group 1	11h00-12h00		Group 2 & 3	Group 4*
12h00-14h30		Group 4 (incl. lunch break)	13h00-14h30		Group 1 & 2	Group 3*
14h30-16h30		Group 3	14h30-16h30		Group 1 & 4	Group 2*
16h30-18h30		Group 2	16h30-18h30		Group 3 & 4	Group 1
Tuesday 19						
Time Slot		Test Beam (T10, building: 157)	Time Slot		Data Analysis (room: 13/1-017)	Hands-On (room: 11/R-014)
09h30-11h30		Group 4	10h00-11h30		Group 1 & 2	Group 3*
11h30-14h30		Group 4 (incl. lunch break)	13h00-14h30		Group 1 & 4	Group 2*
14h30-16h30		Group 3	14h30-15h50		Group 3 & 4	Group 1
16h30-18h30		Group 2	17h10-18h30		Group 2 & 3	Group 4
Wednesday 20						
Time Slot		Test Beam (T10, building: 157)	Time Slot		Data Analysis (room: 13/1-017)	Hands-On (room: 11/R-014)
10h00-11h30		Group 1	10h00-11h30		Group 1 & 4	Group 2*
11h30-14h30		Group 4	13h00-14h30		Group 3 & 4	Group 1

If you don't have a laptop, please let us know today and we will provide one to you.

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Celebration of the 10th edition of BL4S



We look forward to

- ❖ presentations (former and current winners, team coaches, sponsors, ...),
- ❖ T10 visit, and
- ❖ celebration reception

<https://indico.cern.ch/event/1315414/>

Fondue Dinner

Saturday, September 23:
Cave Valaisanne in Geneva

Departure:
18:00 from CERN

Meeting point:
19:00 at the restaurant

Please let us know today in case
you don't like cheese!



Visiting Geneva

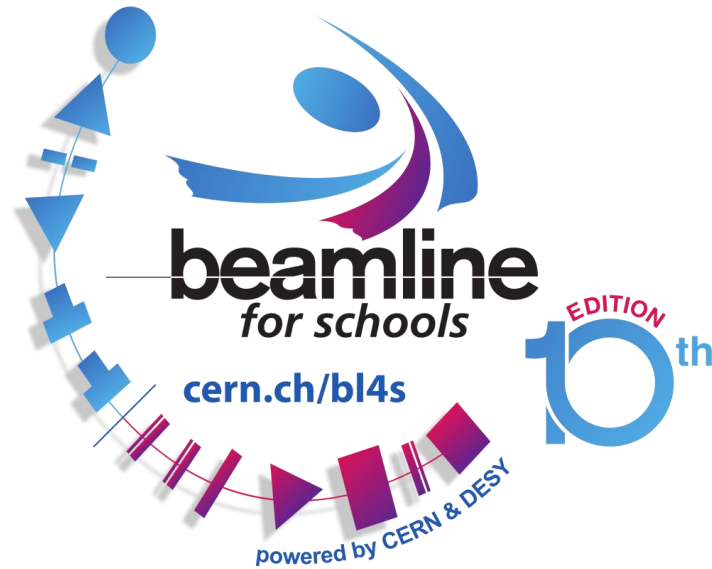
Check out the **presentation** prepared by Markus and don't hesitate to ask him!



Visiting Geneva

- ❖ *Language:* **French** (& English, Spanish, Portuguese, ...)
 - ❖ *Prices:* rather **expensive**
 - ❖ *Safe,* nevertheless be **careful**, especially in the evenings
 - ❖ Most tourist attractions are at walking distance from the centre
 - ❖ Take **Tram 18** from CERN (~30 min) and exit at **Gare Cornavin** (train station), **Bel Air** (lake), or **Place de Neuve** (city centre)
 - ❖ Your **tpg ticket** is valid for one week (you will receive a new one).
- ⇒ We invite you to **use this ticket** (e.g. in the evenings or on Saturday, September 23)





Safety during your stay

Safety on-site

There is a lot of **traffic** (trucks, buses, cars, bikes) at CERN and accidents happen regularly. Moreover, there are several **construction sites**.

Please be cautious and only walk on the dedicated pedestrian paths and crossings.



Safety & Health

Please let us know in case you have medical conditions (e.g. implant, pacemaker).

If you feel ill, please let your team coach and us know.

Safety in the experimental area

In building 157 ...

- ❖ you always have to wear your **dosimeter**, **safety shoes**, and **helmet** (except when you are in the control room)
- ❖ you must not consume food or drinks, or smoke (... anyway, a bad idea)
- ❖ You must not bring, remove, or touch equipment (unless authorised)

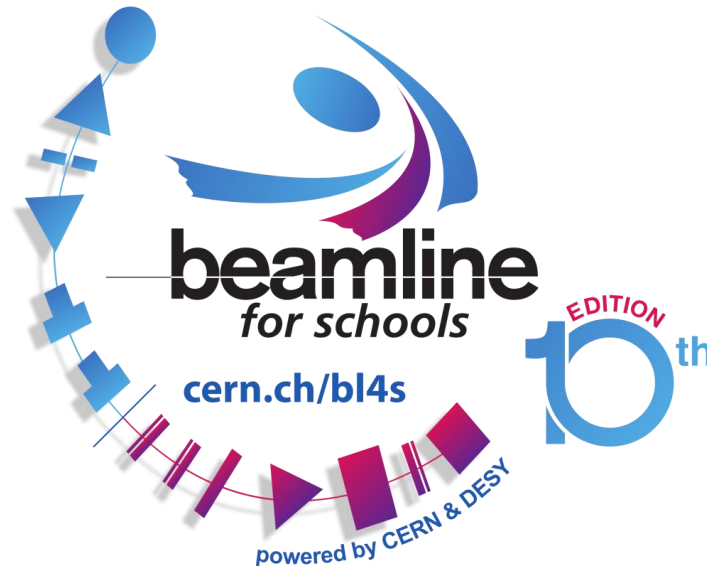


Safety in the experimental area

Safety has the highest priority.

Please follow the instructions given by us and other CERN personnel. Whenever you feel that you are not safe, please inform us. Do not hesitate to ask questions!





Au revoir*

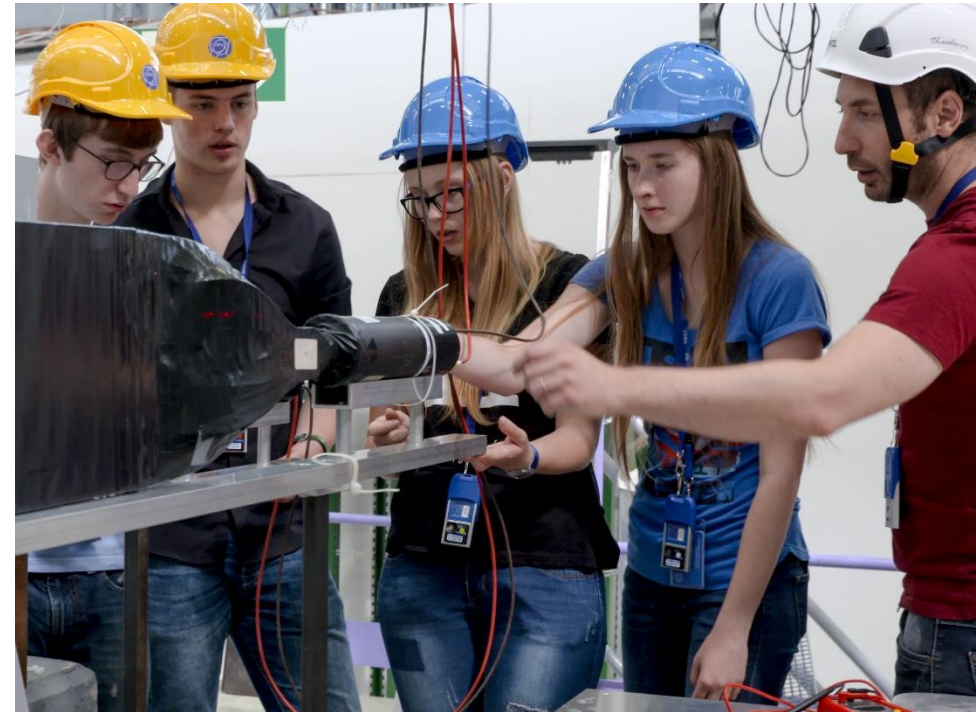
*French for “see you again”

Departure

28 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

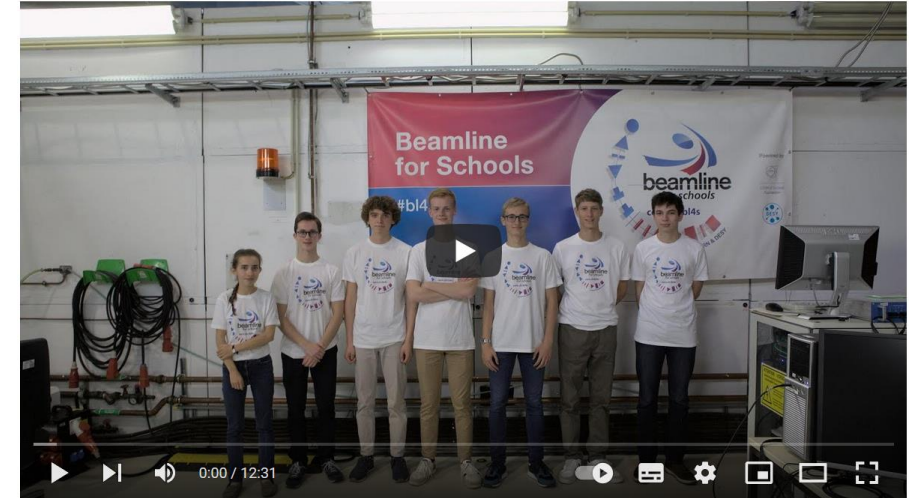
*Return your **safety helmet, dosimeter, CERN card, and lunch check** to Sarah!*



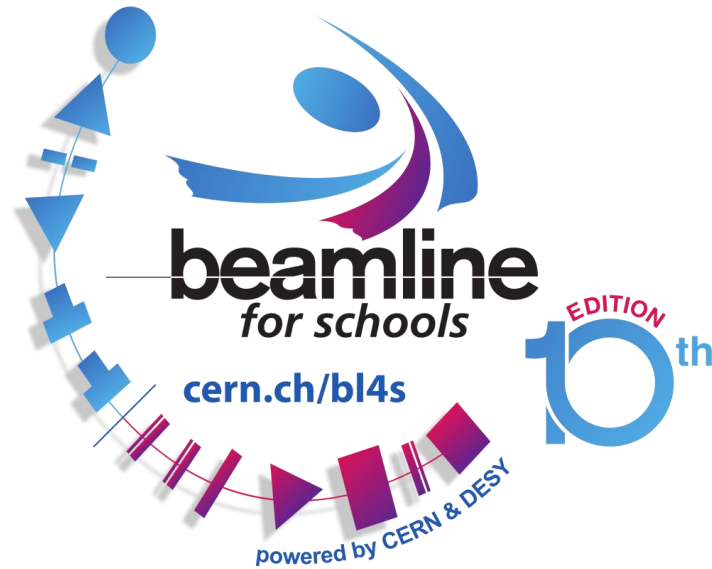
It's just the beginning ...

BL4S will not be over on 25 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!



Have a great stay at CERN!

Questions?