

# Beamline for Schools

12 - 26 September 2024

Welcome to CERN!

**Sarah Zoechling**, Markus Joos, Seyma Esen, Martin Schwinzerl, Jean Pierre Grootaerd, and so many more precious supporters and volunteers



# Event website and timetable

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

## Beamline for Schools 2024

### Useful contacts:

- Sarah Zochling (Project manager): [sarah.zochling@cern.ch](mailto:sarah.zochling@cern.ch)
- Markus Joos (Technical coordinator at CERN): [markus.joos@cern.ch](mailto:markus.joos@cern.ch)
- Seyma Esen (Support scientist at CERN): [seyma.esen@cern.ch](mailto:seyma.esen@cern.ch)
- Martin Schwinzerl (Support scientist at CERN): [martin.schwinzerl@cern.ch](mailto:martin.schwinzerl@cern.ch)
- Marcel Stanitzki (Technical coordinator at DESY):



**Event website:** <https://indico.cern.ch/event/1441061/>

**Timetable:** <https://indico.cern.ch/event/1441061/timetable/#20240912.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: **40 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>)

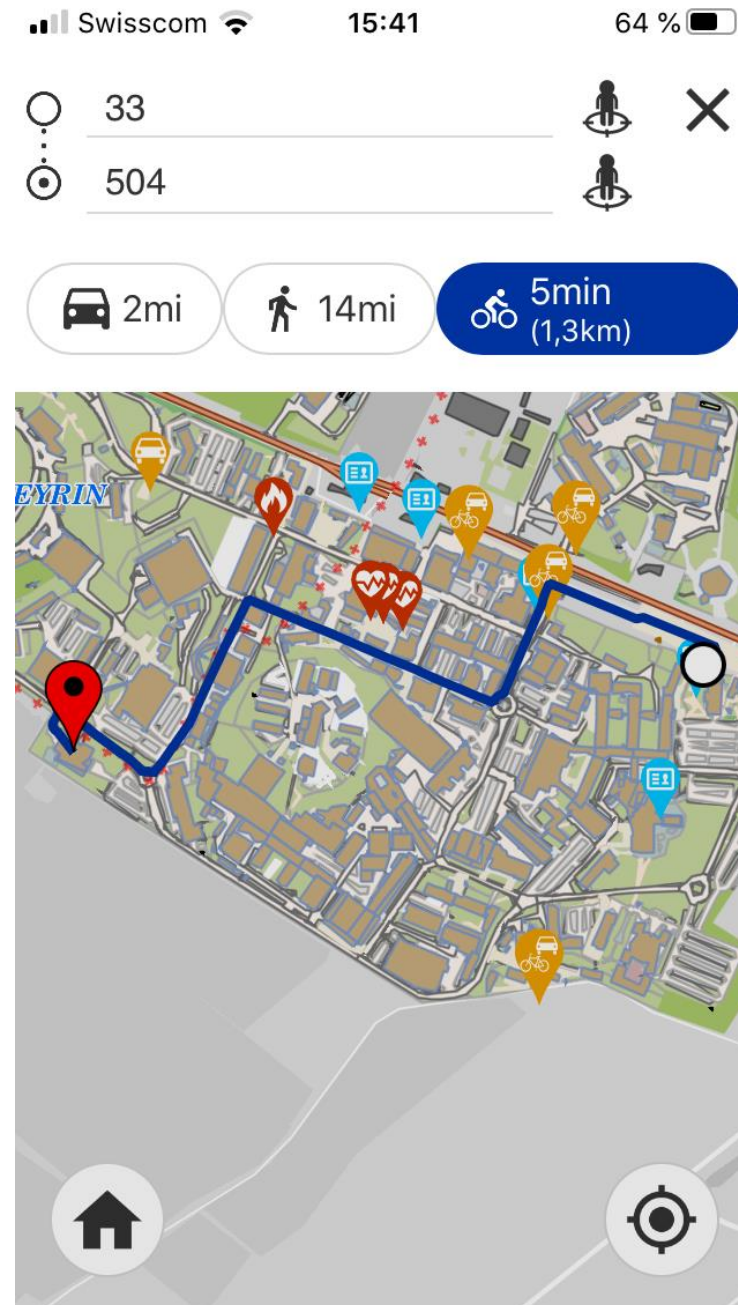
## ❖ Android:

<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>





# CERN

## An overview

13: Hands-on  
653: Data analysis

33: Reception & gift shop

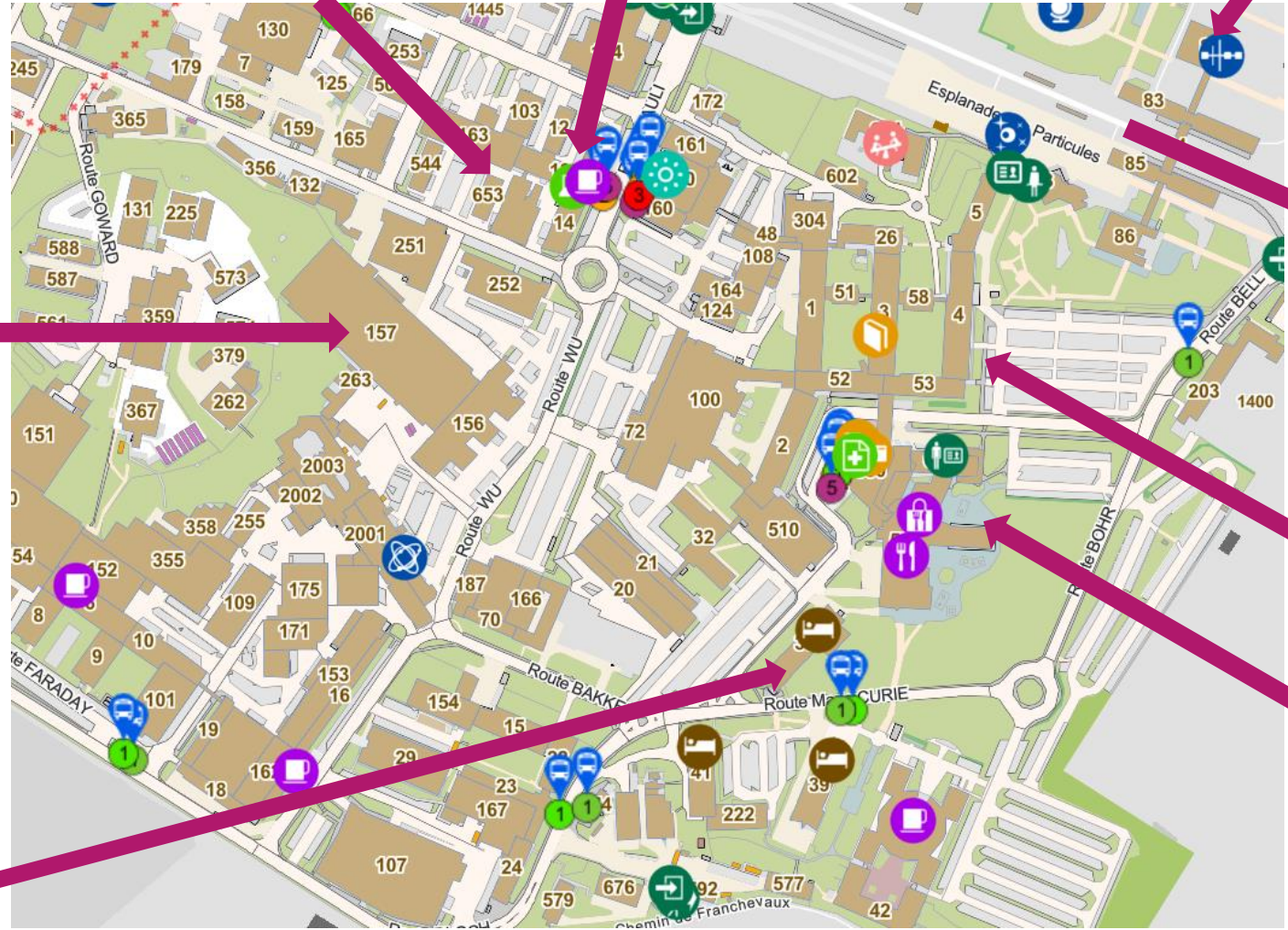
157: T10  
(Experimental area)

Road to Geneva, tram station

4: 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

Choose  
'Program at  
CERN'

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

## Timetable

< Thu 12/09 **Fri 13/09** Sat 14/09 Sun 15/09 Mon 16/09 Tue 17/09 Wed 18/09 Thu 19/09 >

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

Program at CERN  Program at DESY

Choose 'Detailed view'  
and 'Filter'

08:00	<b>Safety shoes for the Mavericks</b> <i>in front of building 39, CERN</i> 08:00 - 08:45	<b>Walk together to the Safety Day</b> <i>in front of building 39, CERN</i> 08:20 - 08:45
	<b>Introduction on Safety</b> <i>6/2-024 - BE Auditorium Meyrin, CERN</i>	<i>Christoph Balle</i> 08:45 - 09:00
09:00	<b>Environmental Protection</b> <i>6/2-024 - BE Auditorium Meyrin, CERN</i>	<i>Rob Fowler</i>
	<b>Safety Signs and Alarms</b> <i>6/2-024 - BE Auditorium Meyrin, CERN</i>	<i>Christoph Balle</i> 09:20 - 09:30
	<b>Break</b>	09:30 - 09:40
	<b>Electrical Safety</b> <i>Auditorium Meyrin, CERN</i>	<i>Igor Neuhold</i> 09:40 - 10:00
	<b>Protection</b>	<i>Arnaud Devienne</i>

Filter options Sessions Rooms Reset filter

Program at CERN  
 Program at DESY



# Outlook

- ❖ Friday, September 13: **Safety Day & Welcome Dinner**
- ❖ Saturday, September 14: **Introduction Day & Visits**
- ❖ September 15-24: **Beam Days** (incl. Lectures & Visits)
  - + Monday, September 16: Celebration of the 10<sup>th</sup> Anniversary
  - + Tuesday, September 17: CERN70 event
  - + Thursday, September 19: Rolex filming & Fondue in Geneva
- ❖ Saturday, September 21: **Visit to Geneva**
- ❖ Wednesday, September 25: **Final Presentations**
- ❖ Thursday, September 26: **Departure**

# Presentations

- 1) Saturday, September 14:  
**Introduction Day**
- 2) Monday, September 16:  
**Celebration of the  
10<sup>th</sup> Anniversary**
- 3) Wednesday, September 25:  
**Final Presentations**



# Beam Days' Timetable


- Overview
- Timetable
- Safety Courses at CERN
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- Seyma Esen (Support scientist at CERN): [seyma.esen@cern.ch](mailto:seyma.esen@cern.ch)
- Martin Schwinzerl (Support scientist at CERN): [martin.schwinzerl@cern.ch](mailto:martin.schwinzerl@cern.ch)
- Marcel Stanitzki (Technical coordinator at DESY): [marcel.stanitzki@desy.de](mailto:marcel.stanitzki@desy.de)
- Antoine Laudrain (Support scientist at DESY): [antoine.laudrain@desy.de](mailto:antoine.laudrain@desy.de)



 **Starts** 12 Sept 2024, 08:00  
**Ends** 26 Sept 2024, 20:45  
Europe/Zurich

 [Antoine Laudrain](#)  
[Marcel Stanitzki](#)  
[Markus Joos](#)  
[Martin Schwinzerl](#)  
[Sarah Zochling](#)  
[Seyma Esen](#)

 [Student\\_groups\\_at\\_CERN.pdf](#)  
[Student\\_shifts\\_at\\_CERN.pdf](#)

Every **beam day** (September 15 to 24) starts with a hybrid *'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 15 to 24

### Student groups

Last Name	First Name	Group
Matsushita	Chiori	1
Atobe	Aoi	
Paabo	Ralf Robert	
Nukiwa	Mihiro	2
Pöldmaa	Saskia	
Rannut	Mihkel	
Sasaki	Yuzuka	3
Jürgens	Violeta	
Jakobson	August	
Sawai	Manami	
Kono	Rikako	Coaches
Tanaka	Kazuo	
Laud	Karolin	
Laud	Karmen	

# Timetable of the groups (BL4S 2024)

*Please be on time for your activities!*

## Beam days September 15 to 24

### Student shifts:

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

Sunday 15			
Time Slot	Test Beam (T10, building: 157)	Data Analysis (room: 653/1-002)	Hands-On (room: 11/R-014)
10h45-12h15	Group 1	Group 2	Group 3
13h30-15h45	Group 2	Group 3	Group 1
16h00-18h15	Group 3	Group 1	Group 2

Monday 16			
Time Slot	Test Beam (T10, building: 157)	Data Analysis (room: 653/1-002)	Hands-On (room: 11/R-014)
9h45-12h15	Group 2	Group 3	Group 1
13h30-15h00	Group 3	Group 1	Group 2

Tuesday 17			
Time Slot	Test Beam (T10, building: 157)	Data Analysis (room: 653/1-002)	Hands-On (room: 11/R-014)
9h45-12h15	Group 3	Group 1	Group 2
13h30-15h45	Group 1	Group 2	Group 3
16h00-17h30	Group 2	Group 3	Group 1

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

# Celebration of the 10<sup>th</sup> anniversary of BL4S



We look forward to

- ❖ presentations (yours and a celebration presentation),
- ❖ T10 visit, and
- ❖ celebration reception

<https://indico.cern.ch/event/1442385/>



# Fondue Dinner

Thursday, September 19:  
**Cave Valaisanne in Geneva**

**Departure:**  
18:30 from CERN

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 and during our official programme)





# 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.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, long trousers, 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\*

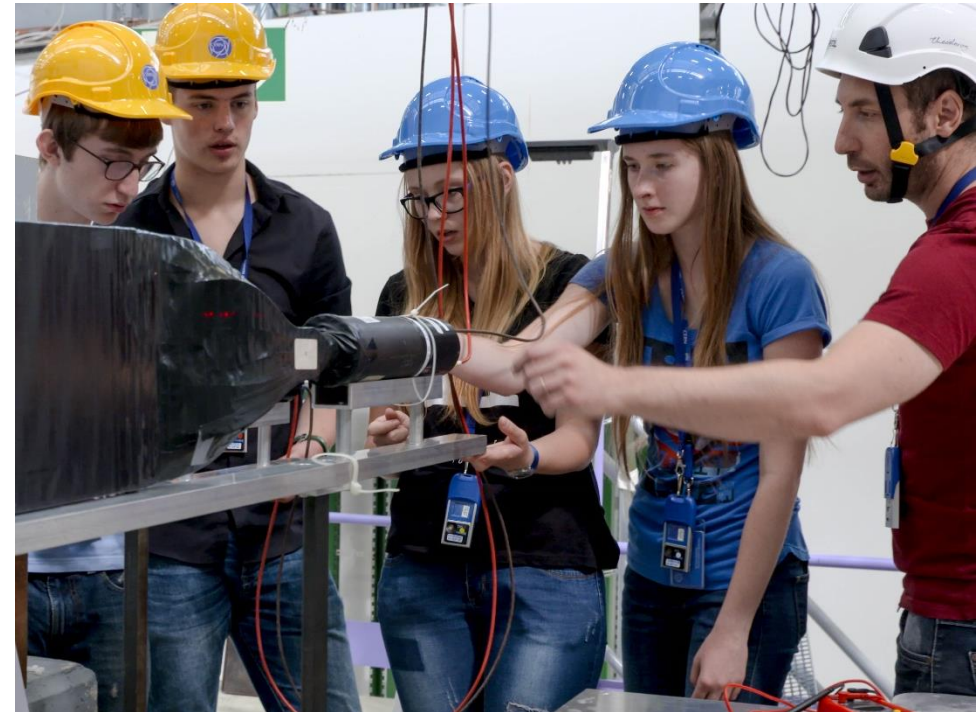
\*French for “see you again”

# Departure

## 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

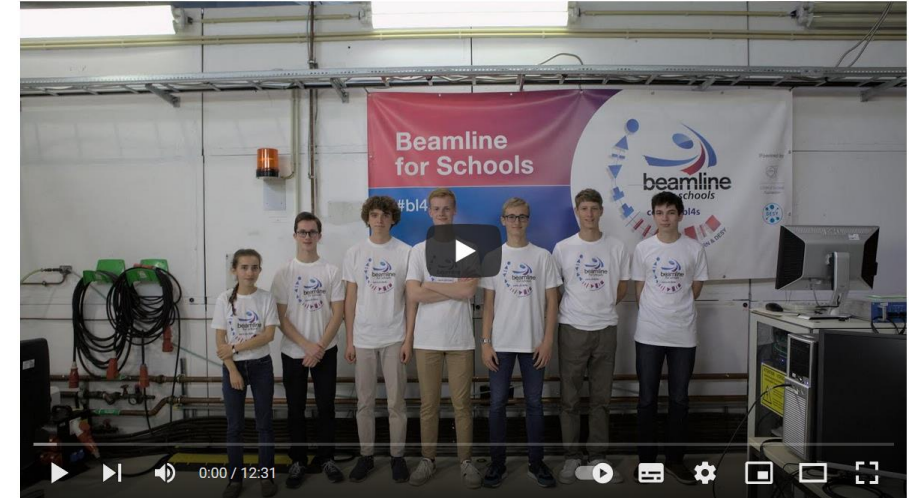
*Return your dosimeter, CERN card, and lunch check to us!*



# It's just the beginning ...

## BL4S will not be over on 28 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?