

Beamline for Schools

Introduction



Welcome to CERN

I am very happy to have you here*

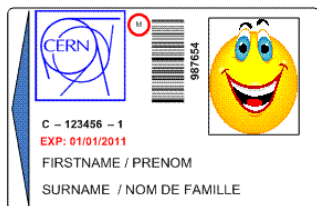
* I would have been even more happy if I could have met you at DESY

....let's talk about the virus.....

- You will have to follow a **self-learning course** in a moment.
 - And you will have to **pass a test**
- The policy of CERN is to reduce the risk as much as possible
 - **Keep a distance of 2 m**
 - **Wear a mask** if you cannot keep a distance of 2 m
 - **Wash / disinfect your hands** regularly

....some general remarks....

- Whenever you feel that you are not safe please contact me immediately
- While you are on the **CERN site** you must have your **CERN ID-card** with you all the time

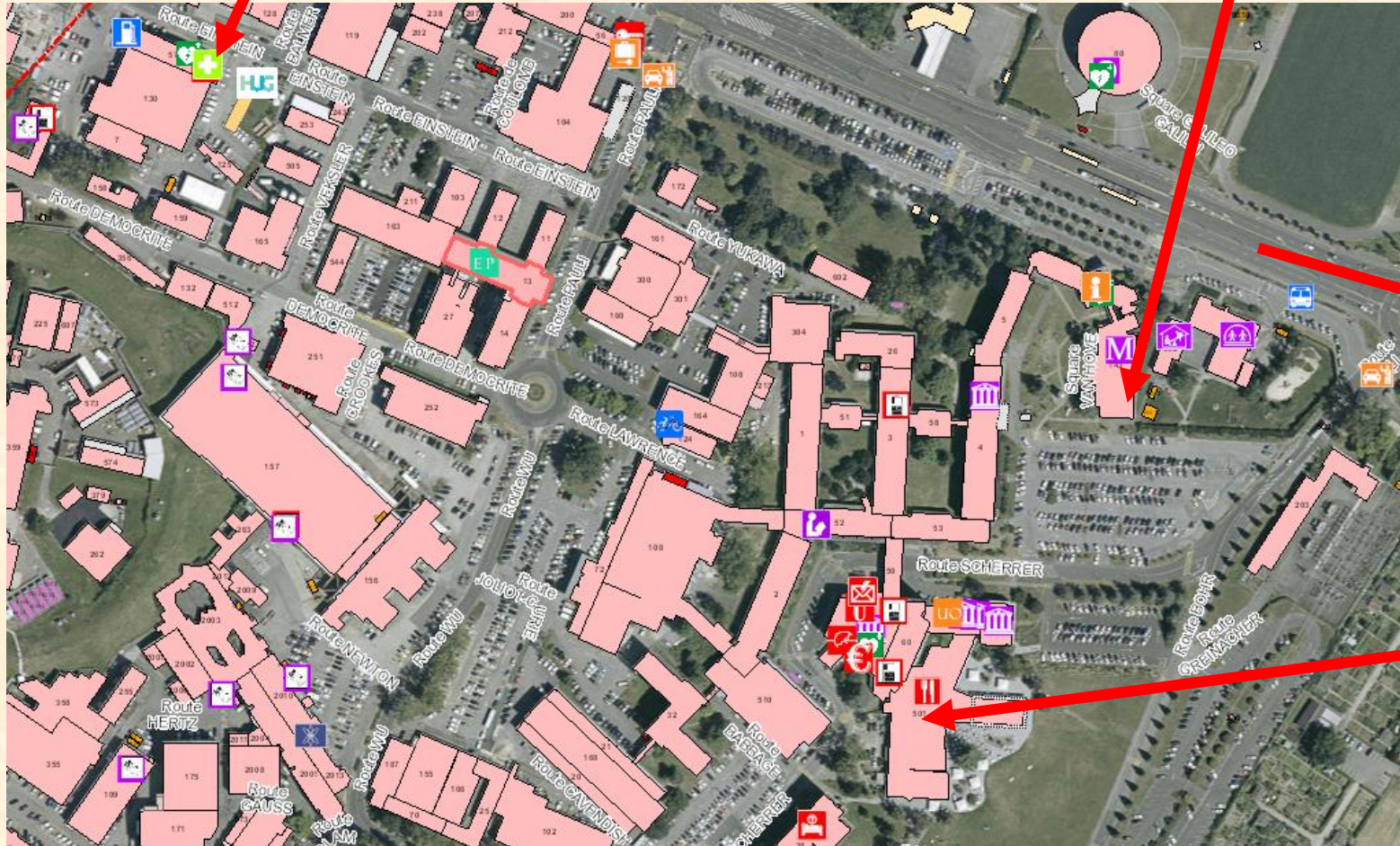


- You are allowed to **take pictures** everywhere at CERN
 - Just **ask for permission** if you take pictures of people
- If you get lost call **160663** (my portable) from any CERN phone or **+41-754110663** from your own phone
- In case of an emergency call the fire brigade **74444** from any CERN phone
- Do not smoke inside of buildings
- Act according to the **code of conduct** (you have all signed it)
- You can bring your own **portable computers** to CERN
 - They can be connected to WiFi
 - You have to fully respect the CERN computing rules

Finding your way

57: Infirmary

S'Cool lab



Road to Geneva,
tram station

Restaurant,
kiosk

Food voucher

How it works:

- The vouchers is only valid in several places at CERN
 - I recommend restaurant 1
- You will get **1 voucher for the whole duration of your stay at CERN**
- You may consume food and drinks for **up to CHF 20 per day** (lunch and coffee breaks)
 - Let me know if that is not sufficient

In the restaurant:

- Take what you like & eat what you take
- There is a water fountain outside the self service area
- If you want **coffee**: Ask for a “**token**” (CHF 1.80)
 - Use the token with the coffee machines next to the restaurant entrance
- Please **return the vouchers** to me at the end of the program

The Program

The full (and official and up-to-date) program can be found at:

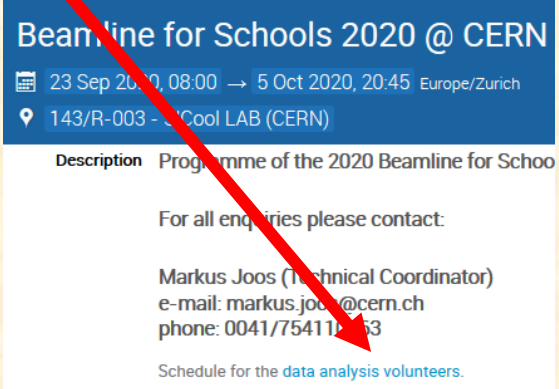
<https://indico.cern.ch/event/957138/>

Note:

- **The information may evolve. Check regularly (daily) for updates**
- **The group at DESY uses this time table: <https://indico.cern.ch/event/920322/>**

Data analysis

- Once your experiment is set up at DESY and beam is on data will start to flow
- You will have to **understand this data** in order to:
 - Figure out if the detectors are working fine (the data could be corrupted)
 - If you can see the signature of a decaying delta
- There are **volunteers** (friendly physicist) that will help you
- We have (for now) scheduled **one session of 2 hours per day**
 - Let me know if this is not sufficient
- You will meet the volunteer in **S'Cool lab**
 - We also have remote volunteers



Beamline for Schools 2020 @ CERN
23 Sep 2020, 08:00 → 5 Oct 2020, 20:45 Europe/Zurich
143/R-003 - S'Cool LAB (CERN)

Description Programme of the 2020 Beamline for School

For all enquiries please contact:

Markus Joos (Technical Coordinator)
e-mail: markus.joos@cern.ch
phone: 0041/754111153

Schedule for the [data analysis](#) volunteers.

<https://confluence.desy.de/display/DESYTB/Data+Analysis>

Communication

“Official” media coverage

- CERN photographers (Ece and myself)
- Posts on DESY’s and CERN’s social media

We encourage you to share your experience on your favourite social network:

- Facebook/Twitter: [#DESY](#), [#CERN](#), [#BL4S](#) and [#CERNandSociety](#)
- Instagram: make sure you tag both [@follow.DESY](#) and [@CERN](#) to get a chance to have your story reshared!
- Use the following hashtags as well if possible: [#BL4S](#) & [#CERNandSocietyVideos](#) with phones better in vertical orientation for Instagram
- CERN & Society would appreciate short videos for a feedback and thank you to the sponsors

Keep this in mind...


You are a scientist!

BL4S is not over on 5 October

We encourage you to:

- Continue with the analysis of the data that you will collect this week when you are back at your school
- Write a report about your experience
 - This can be published on the BL4S Web site
- Write a scientific paper about the results of your experiment
 - We will help you publishing it in a scientific journal

....and don't forget to become a physicist or engineer



<https://www.worldscientific.com/doi/10.1142/S2661339520500134>

Enjoy your stay at CERN

(enjoy your virtual stay at DESY as well)



...any questions??