

The 2024 European School of High-Energy Physics

Peebles, United Kingdom,
25 September – 8 October 2024

Welcome!

Martijn Mulders (CERN)

Director, CERN Schools of Physics

On behalf of the international and local organizers of the School

Organizers

(those present at the School this morning)

- For the International Organizing Committee:
 - Martijn Mulders (Director, CERN Schools of Physics)
 - Sascha Stahl (Deputy Director, CERN Schools of Physics)
 - Kate Ross (Administrator, CERN Schools of Physics)
- For the Local Organizing Committee:
 - Will Barter (Local Director for 2024 School, Edinburgh University)
 - Eva Gersabeck (University of Manchester)

European Schools of High-Energy Physics

- Series of schools targeting PhD students in High-Energy Physics dating back to 1960s
 - This year in Peebles, United Kingdom !
- Mission:
 - Latest developments in High-Energy Physics (theory, phenomenology, data analysis), taught by world class scientists
 - Aim to foster cultural exchange and networking between participants from different countries and regions
- We hope you can use this opportunity to learn as much as possible in these two weeks and to meet new people

The School Programme

- Lectures, lectures, lectures...!
- Discussion sessions
- Poster session
- A student project

- Excursions
 - 1st Saturday afternoon (→ visit to Abbotsford House and dinner)
 - next Tuesday all day (→ visit to Edinburgh city)
 - 2nd Saturday: free afternoon

Programme for today

(see indico web pages for the full programme)

09h00 Welcome

09h10 Field Theory & Standard Model, **Jonas Lindert**

10h40 Coffee break

11h00 Practical Statistics for particle physicists, **Louis Lyons**

12h30 Lunch

+ Free time

15h30 Practical Statistics for particle physicists, **Louis Lyons**

17h00 Coffee break

17h30 Discussion sessions – until 19h00

19h00 Welcome drink (**only tonight**) and Dinner

Lectures

- Lectures last 1h15, plus time for questions
 - Please don't be shy to ask questions, even if they seem basic to you!
 - During the lectures and also at the end
 - Handouts available before each lecture with printout of the presentation, or download them on your tablet before the lecture
 - Make notes on your handouts or your tablet device
 - Take them to the discussion sessions
 - Let us know if you want a printed copy? – we will send a poll to the WhatsApp group to check with you all.

Discussion Groups

- Six discussion groups A, B, C, D, E, F
 - Each student is assigned to a group
 - Lists will be posted during the day: please check what group you are in
 - Discussion Leader stays with the same group for the full two weeks
 - Lecturers are invited to visit the groups
 - Help answer detailed questions on their courses
 - Discussion sessions should be driven by questions from the students
 - Please make note of points that you did not understand in the lectures or other questions that you might have
 - Make use of the lecture handouts in preparing your questions

Discussion Leaders

- Discussion Groups
 - Group A: Luca Buonocore
 - Group B: Helena Kolesova
 - Group C: Jack Holguin
 - Group D: Matthew Lim
 - Group E: Mario Reig Lopez
 - Group F: Chiara Signorile-Signorile
- Sascha and I would like to brief the [discussion leaders](#) after lunch
 - Meet here in the auditorium at 15h00

Please !

- Lectures and discussion sessions
 - Attendance is compulsory
 - Arrive on time
 - Don't use your devices for non-school work
 - Keep your focus on the lectures

Meals and drinks

- All meals are served in buffet style:
 - Breakfast 7:30-9:00 ; Lunch 12:30-13:30 ; Dinner 19:00-20:30
 - Special dietary requirements: food at the buffet will have labels indicating type of dish (please ask waiters if unsure / vegan / allergies)
- Drinks included with lunch and dinner
 - Water is included (and coffee / tea at breakfast)
 - Other drinks are not for free --> pay with cash or credit card / phone
 - Order drinks at the table, or at bar in lobby
 - “Not the Cocktail Bar” bar is open in the evenings

Free time activities

- Several sports and leisure activities available in the hotel and outside. Some are free; others cost extra.
 - Swimming pool is free of charge
 - Borrow balls, mini-golf clubs and tennis rackets free of charge, at entrance to swimming pool (you have to sign for them)
 - Pool tables in the basement, room with games on 1st floor
 - Ask at reception for other activities (walking, archery, ...)
- Please be considerate about noise!
 - We are happy for you to have fun evenings, but please do so well away from the sleeping areas - we are not the only guests in the hotel

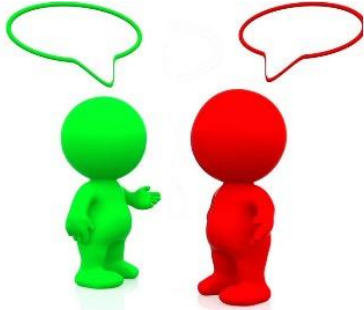
Office and announcements

- School's Office
 - **Kate Ross** will be pleased to help in case of questions, problems or requests
 - Our office is located behind the big red door, left of the reception, next to souvenir shop.
 - There is a school poster on the door of the office
- Announcements
 - From time to time we will make announcements at the end of the lectures
 - We keep the WhatsApp group for official communication



ESHEP 2024
WhatsApp group





Be Nice

- Be welcoming and respectful to each other and to other guests in the hotel !
([CERN code of conduct](#))
- We hope there won't be any issues but in case you witness or experience inappropriate behaviour or harassment:
 - **Kate** and/or the [CERN Ombud](https://ombuds.web.cern.ch) (<https://ombuds.web.cern.ch>) are available as points of contact

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Enjoy the School!