

# Welcome!

## Martijn Mulders

Director, CERN Schools of Physics

On behalf of the international and local organizers of the School

# Organizers

(those present at the School today)

- For the International Organizing Committee:
  - Martijn Mulders (Director, CERN Schools of Physics)
  - Markus Elsing (Deputy Director, CERN Schools of Physics)
  - Kate Ross (Administrator, CERN Schools of Physics)
- For the Local Organizing Committee:
  - Mauro Cambiaso (Local Director for 2023 CLASHEP School, UNAB)

# Programme for today

(see web pages for the full programme)

- 09h00 Welcome
- 09h10 Field Theory & EW Standard Model, **Gustavo Burdman**
- 10h40 Coffee break
- 11h00 Collider Experiments, the LHC & beyond, **Roger Forty**
- 12h30 Lunch  
*+ Free time*
- 15h30 Statistics & Machine Learning for HEP, **Harrison Prosper**
- 17h00 Coffee break
- 17h30 Discussion sessions – until 19h00
- 19h00 Welcome drink (near pool, 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
    - Make notes on your handouts
    - Take them to the discussion sessions

# Discussion Groups

- Five discussion groups A, B, C, D, E
  - Each student is assigned to a group
    - Please check the list that we will post to see which 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 take notes 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: Nicolás Bernal
  - Group B: Giovanna Cottin
  - Group C: Juan Carlos Helo
  - Group D: Roger Hernandez-Pinto
  - Group E: Patricia Magalhaes
- Discussion sessions are in separate locations
  - Group A: in the back of this room
  - Group B in front of auditorium - C and D are behind the auditorium
  - Group E: other side of the hotel ... follow your discussion leader!
- Markus and I would like to brief the discussion leaders after lunch
  - Let's meet here in the auditorium at 14h00 today



# Please!

- Lectures and discussion sessions
  - Attendance is compulsory
  - Arrive on time
  - No laptop computers
  - No phones or other electronic devices

# Organization

- School's Office
  - **Kate Ross** will be pleased to help in case of questions or problems or requests
  - Salon San Francisco “VIP” behind the auditorium
    - School poster is on the door of the office
- Be welcoming and respectful to each other and to other guests in the hotel ( [CERN code of conduct](#) )
- Schools, Workshops and Conferences are encouraged to have a contact person for any issues of harassment or inappropriate behaviour
  - **Kate** is the person to contact in case of issues, although we hope that there will not be any at our School



# Internet

- There is free wireless internet
- Only to be used outside of lectures and discussion sessions!
- Given the large number of participants we ask you to show restraint in your use of bandwidth
  - Avoid uploading/downloading big files, especially at peak times
  - Make audio rather than video calls with Skype, FaceTime, etc.
  - Etc.



# Lunch and dinner

- All meals are served in buffet style:
  - Breakfast 7h30-9h00 ; Lunch at 12h30 ; Dinner at 19h00-20h30
  - People who indicated special diets in the questionnaire should contact Kate when they arrive at the restaurant if they are unsure of the arrangements
- One drink per person included with lunch and dinner
  - Water, soda or juice
- For other drinks: bar next to restaurant open until midnight
  - Pay with cash or credit card / phone



# Free time activities

- Football, tennis court, walking / running paths
- Pool tables, ping pong, foosball table
- Outdoor and indoor swimming pools, spa, gym
  - outdoor 8 am - 10 pm ; indoor 8 am - 8 pm
  - you have to wear a swimming cap

You can get pool towels at the Spa, with a card from reception
- Note: not allowed to buy your own drinks and consume them in public areas of the hotel (but ok inside your room).
- 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

# Other issues

- Drinking water
  - It is not recommended to drink the tap water
  - Water available at all meals and coffee breaks, and bottle in your room
- Mobile phones
  - International roaming on mobile phones can be extremely expensive depending on your phone contract
    - E.g. with my Swiss phone:
      - USD 2.25 per minute to make voice calls
      - USD 1.00 per MB for data
      - Receiving calls is also charged
- You need to pay yourself for items not included in the fee
  - e.g. Laundry service; drinks at the bar
  - Do not charge anything to your rooms, pay with cash or credit card

# Toilet paper

Do not throw paper  
in your toilet bowl

Use the bin next  
to it instead



# COVID-19

- No obligation to wear masks - but you can if you feel more comfortable
- We have masks and COVID Rapid Tests available in the School's office
  - If you feel any symptoms, please take a test. If positive we will find a solution (e.g. single room) together with the hotel

**Enjoy the School !**