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
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!