



Welcome!

Nick Ellis

Director, CERN Schools of Physics



Programme for today

- Welcome address, Nick Ellis
- 09h00 Lecture – Field Theory and the EW Standard Model, Luis Alvarez-Gaume
- 10h30-11h00 Coffee break
- 11h00 Lecture – Introduction to Cosmology, Licia Verde
- Announcements, Nick Ellis and Miriam Gandelman
- Lunch
- 14h00 Lecture – Instrumentation, Werner Riegler
- 15h30-17h00 Free time
- 17h00-17h30 Coffee break
- 17h30-18h45 Discussion session
- 19h00 Welcome Drink
- Dinner
- Bar will be open after dinner until 23h00



Lectures and Discussion Sessions

- Lectures last 1h15, plus some time for questions
 - Please don't be shy to ask questions, even if they seem basic!
- Five discussions groups A-E; sessions last 1h15
 - Each student is assigned to a group
 - Letter on back of your badge tells you which one
 - Also list posted outside of the auditorium
 - We have put up a map showing the location for each group
 - 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
- Each discussion group will do a project
 - Based on reading and discussing an LHC physics paper
 - A representative of each group will give a brief summary in a special session on behalf of their group



Discussion Leaders

- Discussion Groups and leaders
 - Group A: Eduardo Fraga
 - Group B: Alberto Gago Medina
 - Group C: Javier Magnin
 - Group D: Pedro Mercadante
 - Group E: John Swain
- I would like to meet the Discussion Leaders briefly this afternoon to explain and discuss a few points
 - Meet near the reception after Werner's lecture at 15h30



Organizing Committee members

(those present at School today)

- Luis Alvarez-Gaume
- Christophe Grojean
- Helene Haller (School Administrator)
- Miriam Gandelman (Local Director)
- Andre Sznajder



Organization

- Secretariat
 - Please come and talk to us in case of questions or problems
 - We will do our best to help
 - Our secretariat is just along the corridor
 - On left-hand side walking from auditorium to hotel reception desk
- Notices
 - Check notice board outside of secretariat
 - We will put up a note if we need to talk to you



Please!

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



Lunch and dinner

- Meals are organized as a self-service buffet
 - Food for those with special diets is available
 - Let us know in case of problems
- Drinks
 - Soft drinks (those on self service) included with the meals
 - If you want beer or wine with the meals, you have to order and pay for it yourselves
 - Similarly, you have to pay yourselves for drinks bought from the bar after dinner or taken from the minibar in the bedrooms
 - Some drinks are offered in the context of social events, e.g. the Welcome Drink this evening



Some words of caution

(more details in the handout)

- Avoid sunburn
 - The sun here is **very** strong!
 - Use sun cream and hats, and stay in the shade
 - Even a few minutes without protection is enough to get badly burned!
- Don't drown
 - Beware of the ocean – currents can carry you out to sea!
 - The pool is very nice (and safer)!
- Drink bottled water
 - We recommend that you don't drink the tap water
 - We put bottled water in each room, and you can fill up the bottles from the dispenser in (or outside) the auditorium for free
- Phones
 - Use of mobile phones on roaming can be **very** expensive, even for receiving calls!
 - Very expensive can mean several USD per minute!
 - Also data access on roaming can be **extremely** expensive



Keys!

- There is only one key per bedroom!
 - Please make sure to return the key to reception every time you leave the room
 - Otherwise your room-mate will be locked out!



Enjoy the School!