



Welcome!

Nick Ellis (CERN, for the IOC)

and

Kazunori Hanagaki (Osaka University)



Programme for today

- 09h00 Introduction, Nick Ellis and Kazunori Hanagaki
- 09h10 Field Theory and the EW Standard Model, Luis Alvarez-Gaume
- 10h40-11h00 Coffee break
- 11h00 Instrumentation, Werner Riegler
- 12h30-13h30 Lunch
- 13h30-15h45 Free time
- 15h45 Practical statistics for particle physicists, Jose Ocariz
- 17h15-17h30 Coffee break
- 17h30-18h45 Discussion session
- 19h00 Welcome Reception and dinner (please be on time!)
 - We have some VIP guests



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!
- Six Discussions Groups
 - Each student is assigned to a Group
 - We have posted the list of students in each Group; **please check which Group you are in**
 - You received a map when you checked-in at the School Registration desk
 - **Please make sure you know the location of the room for your 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
 - Make use of the handouts given before each lecture



Discussion Leaders

- Discussion Groups and Leaders
 - Group A: Marc Besançon
 - Group B: Kin-ya Oda
 - Group C: Pavel Pakhlov
 - Group D: Myeonghun Park
 - Group E: Francesco Riva
 - Group F: Raymond Volkas
- We would like to meet the Discussion Leaders briefly this afternoon to explain and discuss a few points
 - Meet at Discussion Room 4 (at end of auditorium) at 14h00



Group Projects

- Members of each Discussion Group will do a **collaborative** project
 - Based on reading and discussing a published paper from a particle-physics experiment
 - A representative of each Group will give a brief summary on behalf of their Group in a special session on the evening of Thursday 25 October
 - Session will be chaired by John Ellis
 - Audience will include students, teaching staff, organizers, committee members
 - Coordination of preparations:
 - Kazunori Hanagaki, Kiyotomo Kawagoe and Martijn Mulders
- More details will be given tomorrow morning
 - No need to do anything before then



Organization

- Secretariat
 - Available to help in case of questions or problems
 - Masami Yokoyama and Misa Miyai
 - Location is shown on the map that you were given when you checked in
 - Along the corridor, beyond the hotel reception desk
- Notice board
 - Check notice board outside of auditorium regularly
 - We will post important announcements
 - 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 use of phones or other mobile communications devices



Meals

- Meals are organized on a self-service basis
 - Food for those with special diets is available
 - Talk to secretariat in case of problems
 - Meals are served in the dining room indicated on the map that you received when you checked in
 - If you eat in the regular hotel restaurants you will be charged according the prices shown on the menu!



What you have to pay for

- The School Fee includes
 - The accommodation
 - Breakfast, lunch and dinner – only in the specified dining room!
 - Coffee breaks – served outside the auditorium, see timetable
 - Excursions, etc. as advertised in the Information Bulletin
- You must pay yourselves for anything that is not included in the fee
 - Please pay in cash for any purchases or services that you use, such as:
 - Drinks
 - Snacks
 - Laundry service



Free time activities (examples)

- Walks along the coastal path
 - At end of the hotel grounds
- Nature park on other side of the highway
 - Entrance fee 400 Yen
- Aquarium
 - Entrance fee 2100 Yen
- Tennis courts
 - Near hotel, please ask Secretariat about the fees



Some words of caution

- Swimming is not allowed
 - The water is cold
 - It is strictly forbidden to swim in the sea near the hotel!
 - Also the pool is not available for use at this time of year
- 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



Enjoy the School!