Welcome!

Nick Ellis
Director, CERN Schools of Physics
Organizing Committee members
(just those present at School this morning)

• International Organizing Committee
  – Tatyana Donskova
    Administrator, JINR
  – Nick Ellis
    Director
    CERN Schools of Physics
  – Martijn Mulders
    Deputy Director
    CERN Schools of Physics
  – Kate Ross
    Administrator, CERN

• Local Organizing Committee
  – Joan Berger
    Administrator, NIKHEF
  – Olya Igonkina
    Local Director
Programme for today

• 09h00 Welcome
  – Nick Ellis, Director CERN Schools of Physics
• 09h15 Lecture – Field Theory and the EW Standard Model, Ronald Kleiss
• 10h45 Coffee break – served near the auditorium
• 11h00 Lecture – Cosmology, Jonathan Feng
• 12h30-14h00 Lunch – served in restaurant
• Free time
• 15h30 Discussion session
• 17h00 Coffee break – served near discussion rooms (Groups B-F)
• 17h30 Lecture – Theory Outlook, Gerardus 't Hooft
• 19h00 Welcome drink – served in café next to restaurant
• 19h30-21h00 Dinner – served in restaurant
• Bar adjoining auditorium will be open after dinner
Gerardus 't Hooft

- **Gerardus (Gerard) 't Hooft** is a Dutch theoretical physicist and professor at Utrecht University, the Netherlands. He shared the 1999 Nobel Prize in Physics with his thesis advisor Martinus J. G. Veltman "for elucidating the quantum structure of electroweak interactions".

- His work concentrates on **gauge theory**, **black holes**, **quantum gravity** and fundamental aspects of quantum mechanics. His contributions to physics include a proof that gauge theories are renormalizable, dimensional regularization, and the holographic principle.
Lectures and Discussion Groups

• Lectures last 1h15, plus some time for questions
  – Please don’t be shy to ask questions, even if they seem basic!
• Six discussions groups A-F
  – Each student is assigned to a group
    • Please check the list that we have posted 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 make notes of points that you did not understand in the lectures or other questions that you might have
    • Make use of the handouts (copies of the presentations of the lecturers) that we will try to distribute before each lecture for most of the courses
Discussion Leaders

- Discussion Groups
  - Group A: Pierre Artoisenet
  - Group B: Alexander Bednyakov
  - Group C: Cedric Delaunay
  - Group D: Alexey Gladyshev
  - Group E: Christian Pisano
  - Group F: Kai Schmidt-Hoberg

- Group A will meet in the auditorium, Groups B-F are in the meeting rooms beyond the School secretariat, towards the swimming pool

- Martijn and I would like to meet the Discussion Leaders after lunch to explain a few points
  - Meet in the auditorium at 14h00
Please!

- Lectures and discussion sessions
  - Attendance is compulsory
  - Arrive on time
  - No laptop computers
  - No phones or other electronic devices
- Nothing should be charged to your rooms
  - Pay as you go for drinks and services
- Please read the handout that you were given when you arrived yesterday!
  - Please take note of ad hoc announcements given before/after lectures
- In particular, please take note on the following:
  - Phones (take care of international roaming charges!)
  - Internet access (bandwidth is very limited, show solidarity!)
  - White towels from the bedrooms must not be used for the pool, etc.
Meals and drinks

• Buffet service for breakfast, lunch, dinner
  – Dishes are labeled in English
  – Will always have a vegetarian option available
• Drinks included with meals
  – Lunch
    • Non-alcoholic drinks (with buffet)
  – Dinner
    • One small soft drink or beer or glass of wine per person
      (served at table)
• Coffee and tea available all the time at self-service machines
• Drinks at bar in the evenings
  – Special price for the School participants EUR 2.75
    • This is for a small soft drink, small beer or small glass of wine
    • Other drinks are at the regular prices of the hotel
Football

• We have asked the hotel to record some of the matches that are played during teaching periods and excursions
  – E.g. Italy vs Costa Rica at 18h tomorrow
    • Will do replay in games room after dinner if there is demand
• Live matches can be watched in the lobby and/or bar – will make arrangements according to level of interest
  – E.g. Uruguay vs England at 21h today
• REQUEST:
  – Please do not stream matches to your own computers, phones, etc - it will degrade the Internet performance for everyone else!
Secretariat

• Located on the corridor towards the pool (School poster is on the door)
  – Please come and talk to us in case of questions or problems
    • We will do our best to help

Facebook Group ESHEP2014

• See Bulletin for the details
  – https://www.facebook.com/groups/276966092475635/
  – Upload photos (we may even use some for the proceedings!)
  – Keep in contact with each other after the School
Enjoy the School!