Opening Ceremony

• Welcome address
  – Nick Ellis on behalf of the International Organizing Committee

• Speeches from our VIP guests, chaired by Roumen Tsenov:
  – Prof. Latchesar Kostov, Chairman of the BNRA
  – Prof. Dimitar Tonev, Director, INRNE
  – Genoveva Jecheva, Director, National Science Fund of the Ministry of Education and Science

• The Opening Ceremony will be followed by a Welcome Drink in the lobby bar
Opening Ceremony
CERN–JINR European School of High-Energy Physics

Nick Ellis
Director, CERN Schools of Physics

On behalf of the International Organizing Committee
History of this School

• The annual “European Schools” organized jointly by CERN and JINR started in 1993
  – Building on a long tradition of collaboration between the two organizations, and on Schools organized by CERN since the 1960s and jointly by CERN and JINR in alternate years since the 1970s

• Recent European Schools
  – 2007 Czech Republic
  – 2008 Belgium
  – 2009 Germany
  – 2010 Finland
  – 2011 Romania
  – 2012 France
  – 2013 Hungary
  – 2014 Netherlands
  – 2015 Bulgaria
The School is held in a JINR member state 1 year in 4, and in a CERN member state 3 years in 4, but several countries including Bulgaria are member states of both organizations.

- This ratio reflects, approximately, the numbers of students coming from CERN and JINR countries.

We have a small standing committee made up of people from CERN and JINR (Nick Ellis, Martijn Mulders, Sasha Olchevsky, Giulia Zanderighi; Kate Ross, Tatyana Donskova), plus the local director appointed for each School (Roumen Tsenov).

- This International Organizing Committee is responsible for the scientific programme and the selection of the students.

It is complemented by the Local Organizing Committee in the host country.

- Note that a huge amount of work is done by the local organizers, including identifying candidate venues to hold the School, as well as a huge array of practical arrangements.
- Let me say a big thank-you to Roumen and his colleagues for all the help that they have given us over the last year!
About the students

• Target audience is PhD students in physics
  – Mainly working on High-Energy Physics experiments
  – Many on the Large Hadron Collider
• There are 92 students at this School
  – 34 Nationalities
  – 28 Countries of home institutes
• About 60% from Western Europe and 26% from Eastern Europe
  – Remaining students from other regions, including the Middle East and North Africa, North and South America
• Female / male ratio is 24 / 68
• Funding for fees and travel generally from the students’ home institutes or funding agencies
• Not all students who applied could be accepted
  – Rigorous and competitive selection process
• Please make the most of your time at the School!
Teaching programme

• Lectures
  – Advanced courses
    • Mainly theory/phenomenology orientated, but linked with the latest experimental results from the LHC and elsewhere
    • Given by high-level scientists from many different countries
    • Build on training that the students received in their home countries
  – Special lectures
    • CERN and JINR programmes, outlook and future prospects
  – Outreach / media training
    • Recognising the importance of communicating our science to the general public

• Discussion sessions
  – Six groups meet in parallel most afternoons
    • Under the leadership of an experienced physicist
Active student participation

• On Sunday 6 September there will be a student poster session after dinner
  – Unique opportunity for students to discuss their own work informally with each other and also with senior scientists
• On Sunday 13 September there will be an after-dinner session in which student representatives from each of the six groups will present the results of collaborative projects
  – Exercise on communicating science to a general audience
  – Building on the outreach training
  – Will require extensive preparation by the students in each group during their “free time”
  – We will brief the students about the projects on Sunday
Cultural exchange and networking

- In addition to teaching the science, the School aims to promote cultural exchange and networking between young scientists from different countries
  - Mix students from different countries in the groups for the discussion sessions and collaborative projects, and also in shared sleeping accommodation
  - The projects and the student poster session promote discussion and perhaps even future scientific collaboration between participants
Sponsors

• These Schools are only possible because of generous support from various funding bodies
  – Regular sponsorship from CERN and from JINR
  – Additional sponsorship from the host country

• I would particularly like to thank the organizations in Bulgaria that are supporting the School in various ways:
  – Bulgarian Nuclear Regulatory Agency (BNRA)
  – Saint Kliment Ohridski University of Sofia
  – Institute for Nuclear Research and Nuclear Energy (INRE) of the Bulgarian Academy of Sciences
Let me say thank you and welcome to:

- All the people present who are helping to make this School possible
  - Lecturers
  - Discussion Leaders
  - All of the Local organising team, especially Roumen Tsenov who has done a huge job over the last year to prepare this School!

- Our Bulgarian VIP guests
  - Latchesar Kostov, Chair of the Bulgarian Nuclear Regulatory Agency
  - Dimitar Tonev, Director of the Institute for Nuclear Research and Nuclear Energy of the BAS
  - Genoveva Jecheva, Director of the National Science Fund, Ministry of Education and Science

- The Directors General of CERN and JINR who will be giving lectures tomorrow morning
  - Rolf Heuer, CERN
  - Victor Matveev, JINR
Opening Ceremony

• Welcome address
  – Nick Ellis on behalf of the International Organizing Committee

• Speeches from our VIP guests, chaired by Roumen Tsenov:
  – Prof. Latchesar Kostov, Chairman of the BNRA
  – Prof. Dimitar Tonev, Director, INRNE
  – Genoveva Jecheva, Director, National Science Fund of the Ministry of Education and Science

• The Opening Ceremony will be followed by a Welcome Drink in the lobby bar