

Welcome to the 2013 HCP summer school

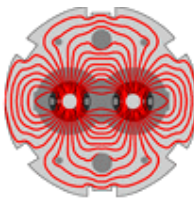
Richard Hawkings, Peter Skands

28th August – 6th September 2013

- Welcome on behalf of the organisers:
 - Richard Hawkings, Peter Skands (co-chairs)
 - Patricia Mage-Granados (organiser and secretariat)
 - The local organising committee – Jamie Boyd, Nick Ellis, Michele Floris, Gino Isidori, Frederic Teubert, Hermine Wöhri
 - They will be chairing some of the lecture sessions

- A few words of introduction ...

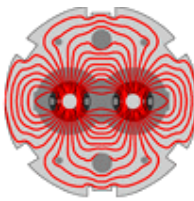
School programme



We 28 th	Th 29 th	Fr 30 th	Sa 31 st	Su 1 st	Mo 2 nd	Tu 3 rd	We 4 th	Th 5 th	Fr 6 th	
Welcome										
EW/Higgs 1/3 M. Schmaltz	EW/Higgs 2/3 M. Schmaltz	EW/Higgs 3/3 M. Schmaltz	Data Prep and Simulation 1/2 P. Azzi	EXCURSION TO CHAMONIX	MC/QCD 1/3 T. Sjostrand	Heavy Ions 1/3 A. Dainese	Higgs Analyses 2/3 K. Jakobs	Higgs Analyses 3/3 K. Jakobs	Heavy Ions 3/3 A. Dainese	
coffee	coffee	coffee	coffee		coffee	coffee	coffee	coffee	coffee	coffee
Top Physics 1/3 F. Blekman	Top Physics 2/3 F. Blekman	Top Physics 3/3 F. Blekman	The LHC Machine 1/2 M. Lamont		Data Prep and Simulation 2/2 P. Azzi	BSM 1/3 A. Weiler	BSM 2/3 A. Weiler	BSM 3/3 A. Weiler	The Future of HEP P. McBride	
Perturbative QCD/jets 1/3 G. Heinrich	Perturbative QCD/jets 2/3 G. Heinrich	Perturbative QCD/jets 3/3 G. Heinrich	Neutrino Physics B. Kayser		The LHC Machine 2/2 M. Lamont	Higgs Analyses 1/3 K. Jakobs	Statistics 1/3 K. Cranmer	Statistics 2/3 K. Cranmer	Wrap Up	
lunch	lunch	lunch	lunch		lunch	lunch	lunch	FAREWELL LUNCH	lunch	
Flavor TH 1/2 D. Straub	Flavor TH 2/2 D. Straub	Flavor Exp 1/2 J. Albrecht	Flavor Exp 2/2 J. Albrecht		MC/QCD 2/3 T. Sjostrand	MC/QCD 3/3 T. Sjostrand	Heavy Ions 2/3 A. Dainese	Statistics 3/3 K. Cranmer	CERN VISIT	
Discussion Session 16.00 – 17.30	Discussion Session 16.00 – 17.30	Dark Matter and Collider Physics G. Servant	Discussion Session 16.00 – 17.30		Discussion Session 16.00 – 17.30	Discussion Session 16.00 – 17.30	Discussion Session 16.00 – 17.30	Discussion Session 16.00 – 17.30	Discussion Session 16.00 – 17.30	
WELCOME COCKTAIL DINNER		BBQ			BBQ (in case of bad weather Friday 30)					

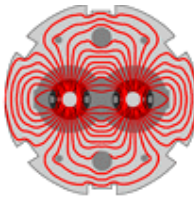
- All lectures in Council Chamber
- Discussion sessions nearby
- 3 'special topic' lectures

Discussion sessions

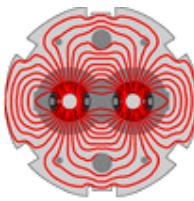


- Every afternoon (except Fridays 30th August/2nd Sept) from 16:00-17:30
 - An important feature of the school – discuss the material of the lectures and related topics
 - Success depends on you – please come with your questions and ideas to share
- 8 discussion groups, each assigned one theorist and one experimental discussion leader, who will be with you on alternate days
 - Lecturers will also tour through the groups
 - Extra experts on Heavy Flavour and Heavy Ions for particular sessions
- Discussion leaders:
 - Roberto Auzzi, Max Baak, Colin Bernet, Andre David, Benjamin Fuks, Vladimir Gligorov, Jan Fiete Grosse-Oetringhaus, Christina Markert, Giuliano Panico, Juan Rojo, Heidi Rzehak, Anna Sfyrla, Barbara Storaci
 - We will all meet in the Council Chamber at 16:00 today to meet your discussion group leaders (group assignments on the indico web page)
- Also time for a few immediate questions after each lecture

Social programme

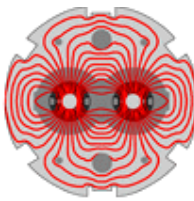


- Various social events (free!) during the school
 - Welcome cocktail today (18:30-20:30) in CERN restaurant 1, with food and drinks
 - BBQ on Friday 30th (19:00-21:00) at the corner of the Meyrin site near entrance A
 - Behind the barracks buildings
 - Will be moved to Monday 2nd September if bad weather on Friday
 - Bus to Chamonix (French Alps) on Sunday 2nd September
 - Departing CERN hostel (bld 39) 09:00 sharp
 - Leaving Chamonix at 18:00 (sharp) for return to CERN
 - See separate information sheet – clothing, etc.
 - Farewell buffet lunch on Thursday 5th September (12:45-14:25) in restaurant 1
 - CERN is nominally closed on this day (Jeune Genevois), but the school continues
- Also organising visits to ATLAS and CMS on afternoon of Friday 6th Sept
 - Unfortunately space is limited – priority to those for whom this is the first/only opportunity



- Typical day
 - Lectures 9:00-10:00, 10:30-11:30, 11:40-12:40 and 14:30-16:00
 - Morning coffee break (10:00-10:30) – drinks provided just outside lecture room
 - Lunch from 12:45-14:25: CERN restaurant 1 and 2 available, also kiosks with sandwiches etc
 - Afternoon coffee break – not provided, but restaurants available
 - Dinner in restaurant 1 from 18:00-20:00, or tram 18 to go into Meyrin or Geneva
- Privileged to have many world-class experts giving the lectures
 - Please do not work on your laptops / smartphones etc during the lectures
 - There is time outside of the lectures / discussion sessions to keep up with email etc.
- Lectures are for school participants only – please wear your badge at all times
- Enjoy the school !

Discussion group allocations



Group	Room	Leaders (1 st , 3 rd day / 2 nd , 4 th day...)
Group 1	Room C 61/1-029	Benjamin Fuks (Roberto Auzzi) / Max Baak
Group 2	Charpak 60/6-015	Max Baak / Benjamin Fuks (Roberto Auzzi)
Group 3	Pas Perdus 61/1-021	Juan Rojo / Anna Sfyrla
Group 4	Council chamber	Heidi Rzehak / Colin Bernet
Group 5	Charpak antechamber 60/6-001	Giuliano Panico / Andre David
Group 6	Room B 61/1-007	Anna Syfirla / Juan Rojo
Group 7	Room D 61/1-017	Colin Bernet / Heidi Rzehak
Group 8	60/2-023	Andre David / Giuliano Panico