

2013 CERN-Fermilab Hadron Collider Physics Summer School

Wednesday 28 August to Friday 6 September 2013
at CERN (503-1-001 - Council Chamber)

Wednesday, 28 August 2013

09:00 - 09:05 Welcome

09:05 - 10:00 Electroweak interactions and Higgs phenomenology - I
Speaker: Martin Schmaltz (Boston University)

10:00 - 10:30 Coffee break

10:30 - 11:30 Top physics and the top mass - I
Speaker: Freya Blekman (IIHE, Vrije Universiteit Brussel (BE))

11:40 - 12:40 Perturbative QCD and jets - I
Speaker: Gudrun Heinrich (Max Planck Institute for Physics)

12:45 - 14:25 Lunch break

14:30 - 15:30 Heavy Flavour Theory - I
Speaker: David Straub (Johannes Gutenberg-Universität Mainz)

16:00 - 17:30 Discussion Session - Several locations (see groups)

18:30 - 20:30 Welcome Cocktail (Restaurant 1)

Thursday, 29 August 2013

09:00 - 10:00 Electroweak interactions and Higgs phenomenology - II
Speaker: Martin Schmaltz (Boston University)

10:00 - 10:30 Coffee break

10:30 - 11:30 Top physics analyses and the top mass - II
Speaker: Freya Blekman (IIHE, Vrije Universiteit Brussel (BE))

11:40 - 12:40 Perturbative QCD and jets - II
Speaker: Gudrun Heinrich (Max Planck Institute for Physics)

12:45 - 14:25 Lunch break

14:30 - 15:30 Heavy Flavour Theory - II
Speaker: David Straub (Johannes Gutenberg-Universität Mainz)

16:00 - 17:30 Discussion Session - Several locations (see groups)

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Friday, 30 August 2013

09:00 - 10:00 Electroweak interactions and Higgs phenomenology – III

Speaker: Martin Schmaltz (Boston University)

10:00 – 10:30 Coffee break

10:30 - 11:30 Top physics analyses and the top mass - III

Speaker: Freya Blekman (IIHE, Vrije Universiteit Brussel (BE))

11:40 - 12:40 Perturbative QCD and jets - III

Speaker: Gudrun Heinrich (Max Planck Institute for Physics)

12:45 - 14:25 Lunch break

14:30 - 15:30 Heavy flavour Experiment - I

Speaker: Johannes Albrecht (Technische Universitaet Dortmund (DE))

15:30 - 16:30 Special Lecture - Dark matter and Collider Physics^{1h0'}

Speaker: Geraldine Servant

19:00 - 21:00 BBQ ()

Saturday, 31 August 2013

09:00 - 10:00 Data Preparation and Simulation - I

Speaker: Patrizia Azzi (Universita e INFN (IT))

10:00 – 10:30 Coffee break

10:30 - 11:30 The LHC machine - present and future - I

Speaker: Mike Lamont (CERN)

11:40 - 12:40 Special Lecture - Neutrino Physics

Speaker: Boris Kayser

12:45 - 14:25 Lunch break

14:30 - 15:30 Heavy flavour Experiment – II

Speaker: Johannes Albrecht (Technische Universitaet Dortmund (DE))

16:00 - 17:30 Discussion Session - Several locations (see groups)

Sunday, 1 September 2013

09:00 - 09:00 Day off - Excursion to Chamonix

2013 CERN-Fermilab Hadron Collider Physics Summer School

Wednesday 28 August to Friday 6 September 2013
at CERN (503-1-001 - Council Chamber)

Monday, 2 September 2013

09:00 - 10:00 Monte Carlo generators and soft QCD - I

Speaker: Torbjorn Sjostrand (Lund University (SE))

10:00 – 10:30 Coffee break

10:30 - 11:30 Data Preparation and Simulation - II

Speaker: Patrizia Azzi (Universita e INFN (IT))

11:40 - 12:40 The LHC machine - present and future - II

Speaker: Mike Lamont (CERN)

12:45 - 14:25 Lunch break

14:30 - 15:30 Monte Carlo generators and soft QCD - II

Speaker: Torbjorn Sjostrand (Lund University (SE))

16:00 - 17:30 Discussion Session - Several locations (see groups)

19:00 - 21:00 BBQ (in case of bad weather Friday)

Tuesday, 3 September 2013

09:00 - 10:00 Heavy Ions - $11h0'$

Speaker: Andrea Dainese (Universita e INFN (IT))

10:00 – 10:30 Coffee break

10:30 - 11:30 Beyond Standard Model theory - I

Speaker: Andreas Weiler (Deutsches Elektronen-Synchrotron (DE))

11:40 - 12:40 Higgs analyses at LHC - I

Speaker: Karl Jakobs (Albert-Ludwigs-Universitaet Freiburg (DE))

12:45 - 14:25 Lunch break

14:30 - 15:30 Monte Carlo generators and soft QCD - III

Speaker: Torbjorn Sjostrand (Lund University (SE))

16:00 - 17:30 Discussion Session - Several locations (see groups)

2013 CERN-Fermilab Hadron Collider Physics Summer School

Wednesday 28 August to Friday 6 September 2013
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Wednesday, 4 September 2013

09:00 - 10:00 Higgs analyses at LHC - II
Speaker: Karl Jakobs (Albert-Ludwigs-Universitaet Freiburg (DE))

10:00 – 10:30 Coffee break

10:30 - 11:30 Beyond Standard Model theory - II
Speaker: Andreas Weiler (Deutsches Elektronen-Synchrotron (DE))

11:40 - 12:40 Statistics in HEP - I
Speaker: Kyle Stuart Cranmer (New York University (US))

12:45 - 14:25 Lunch break

14:30 - 15:30 Heavy Ions - II
Speaker: Andrea Dainese (Universita e INFN (IT))

16:00 - 17:30 Discussion Session - Several locations (see groups)

Thursday, 5 September 2013

09:00 - 10:00 Higgs analyses at LHC - III
Speaker: Karl Jakobs (Albert-Ludwigs-Universitaet Freiburg (DE))

10:00 – 10:30 Coffee break

10:30 - 11:30 Beyond Standard Model theory - III
Speaker: Andreas Weiler (Deutsches Elektronen-Synchrotron (DE))

11:40 - 12:40 Statistics in HEP II $h0'$
Speaker: Kyle Stuart Cranmer (New York University (US))

12:45 - 14:25 Farewell Lunch - Buffet (Restaurant 1)

14:30 - 15:30 Statistics in HEP - III
Speaker: Kyle Stuart Cranmer (New York University (US))

16:00 - 17:30 Discussion Session - Several locations (see groups)

Friday, 6 September 2013

09:00 - 10:00 Heavy Ions - III
Speaker: Andrea Dainese (Universita e INFN (IT))

10:00 – 10:30 Coffee break

10:30 - 11:30 Special Lecture - The Future of HEP
Speaker: Patricia Mcbride (Fermi National Accelerator Lab. (US))

11:40 - 12:00 Wrapup

14:00 - 16:00 Visit CERN