

8.30-9.15 Registration/coffee/croissants

A) ————— **Introduction** / chair: G. Veneziano —————
9.15-11.15

1. Welcome
2. Particle Physics in a Season of Change (30'+5') C. Quigg (FNAL)
3. Milestones of the Tevatron Run (30'+5') Y.-K. Kim (Chicago/FNAL)
4. Performance in 2011 of LHC, ATLAS & CMS (30'+5') D. Fournier (LAL-Orsay)

B) ————— **Top Physics (I)** / chair: K. Tokushuku —————
11.30-13.15

1. $t\bar{t}$ and single top theoretical overview (25'+5') S. Weinzierl (Mainz)
2. $t\bar{t}$ cross sections @ ATLAS+CMS (20'+5') T. J. Kim (Korea U./CMS)
3. $t\bar{t}$ and single top cross sections @ Tevatron (20'+5') E. Shabalina (Goettingen/DØ)
4. single top results @ ATLAS+CMS (20'+5') P. Haefner (MPI Munich/ATLAS)

C) ————— **Heavy Ion, High- p_T** / chair: P. Giubellino —————
14.30-16.15

1. Theoretical overview of High- p_T Heavy ions collisions (25'+5') G. Milhano (Lisbon)
2. High- p_T results @ RHIC (20'+5') B. Cole (Columbia/PHENIX)
3. High- p_T results @ ALICE (20'+5') M. van Leeuwen (Utrecht/ALICE)
4. High- p_T results @ ATLAS+CMS (20'+5') L. Benhabib (LLR-Polytechnique/CMS)

D) ————— **Heavy Flavour (I)** / chair: P. Campana —————
16.45-19.30

1. CKM and CP violation theory (20'+5') E. Kou (LAL-Orsay)
2. CKM angle measurements and search for CPV in charm @ LHCb (20'+5') M. John (Oxford/LHCb)
3. CKM and CP violation results @ Tevatron (20'+5') R. Jesik (Imperial College/DØ)
4. CP-violation studies in B_s decays @ LHCb (20'+5') B. Souza de Paula (Rio de Janeiro/LHCb)
5. Constraints on BSM Physics from BaBar & Belle (20'+5') G. Calderini (LPNHE-Paris/Babar)
6. Complementarity of super Flavor Factories with Hadron machines (20'+5') A. Bevan (Q.M.U London)
7. Search for CP violation in two-body charm decays at LHCb (15'+5') M. Charles (Oxford/LHCb)

19.30-21.00 — Welcome Reception (on site)

Tuesday Nov. 15th

A) ————— **Electroweak Boson Physics (I)** / chair: R. Hawkings —————
9.00-10.45

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| 1. Diboson Results @ Tevatron (20'+5') | A. Robson (Glasgow/CDF) |
| 2. Diboson Results @ CMS (20'+5') | T. Bose (Boston U./CMS) |
| 3. Diboson Results @ ATLAS (20'+5') | P.-F. Giraud (CEA-Saclay/ATLAS) |
| 4. Electroweak results @ LHCb (20'+5') | Y. Amhis (Lausanne/LHCb) |

B) ————— **Electroweak Boson Physics (II)** / chair: G. Hamel de Montchenault
11.15-13.00

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| 1. V+jets results @ ATLAS+CMS (20'+5') | B. Trocmé (LPSC-Grenoble/ATLAS) |
| 2. W/Z properties and V+jets @ Tevatron (except mass) (20'+5') | D. Price (Indiana/DØ) |
| 3. W/Z properties @ ATLAS+CMS (except mass) (20'+5') | J. Santaolalla (CIEMAT/CMS) |
| 4. W mass results @ Tevatron+LHC (20'+5') | A. Melnitchouk (Mississippi/DØ) |

C) ————— **Top Physics 2 (properties/mass)** / chair: G. Chiarelli —————
14.30-16.00

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| 1. Theoretical overview of top and weak bosons properties (25'+5') | S. Willenbrock (Urbana) |
| 2. Top mass/properties @ Tevatron (25'+5') | H.S. Lee (Chicago/CDF) |
| 3. Top mass/properties @ ATLAS+CMS (25'+5') | J. Leveque (Annecy/ATLAS) |

D) ————— **Soft QCD/MinBias/Diffraction** / chair: Z. Kunszt —————
16.30-19.00

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| 1. Soft phenomenology (theory) (25'+5') | P. Skands (CERN) |
| 2. Results from TOTEM and ALFA (20'+5') | K. Eggert (CERN/TOTEM) |
| 3. Results from LHCf (15'+5') | A. Tricomi (INFN-Catania/LHCf) |
| 4. Results from ALICE (20'+5') | P. Antonioli (INFN-Bologna/ALICE) |
| 5. Results from ATLAS and CMS (20'+5') | R. Rougny (Antwerpen/CMS) |
| 6. QCD studies in the forward region @ LHCb (20'+5') | V. Coco (NIKHEF/LHCb) |

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Wednesday Nov. 16th

A) ————— **SM Higgs Boson Physics (I)** / chair: G. Rolandi —————
9.00-10.45

1. Higgs Theoretical Cross Sections ($h \rightarrow gg, VH, VBF$) ^(25'+5') M. Grazzini (Zurich)
2. Searches at “High” Higgs mass @ Tevatron ^(20'+5') K. Petridis ((Manchester/DØ)
3. Searches for $H \rightarrow WW, ZZ$ @ ATLAS ^(20'+5') L. Ikonomidou-Fayard (LAL-Orsay/ATLAS)
4. Searches for $H \rightarrow WW$ and $H \rightarrow ZZ$ @ CMS ^(20'+5') G. Codispoti ((Madrid/CMS)

B) ————— **SM Higgs Boson Physics (II)** / chair: L. Serin —————
11.15-13.00

1. Searches for Low mass Higgs @ Tevatron ^(20'+5') F. Sforza (INFN-Pisa/CDF)
2. Dibosons with $Z \rightarrow b\bar{b}$ @ Tevatron ^(20'+5') J-F. Grivaz (LAL-Orsay/DØ)
3. Searches for Low mass Higgs @ ATLAS ^(20'+5') M. Duehrssen (CERN/ATLAS)
4. Searches for Low mass Higgs @ CMS ^(20'+5') V. Rekovic (Minnesota/CMS)

C) ————— **SM Higgs Boson Combinations and beyond** / chair: D. Denisov
14.30-16.15

1. Standard Model Higgs Combination @ Tevatron ^(20'+5') W. Yao (LBL/Berkeley/CDF)
2. Standard Model Higgs Combination @ ATLAS ^(20'+5') F. Tarrade (Carleton/ATLAS)
3. Standard Model Higgs Combination @ CMS ^(20'+5') M. Bluj (LLR-Polytechnique/CMS)
4. Electroweak Symmetry Breaking without SM (or SUSY) Higgs ^(25'+5') C. Grojean (CERN)

D) ————— **Hard QCD** / chair: U. Bassler —————
16.45-19.15

1. QCD theory and multijet calculations ^(20'+5') D. Kosower (CEA-Saclay)
2. Recent results from HERA and their impact for LHC ^(20'+5') K. Lipka (DESY/H1)
3. pdf constraints from LHC ^(20'+5') A. De Roeck (CERN/pdf4LHC)
4. Hard QCD Results with photons @ LHC ^(20'+5') D. d’Enterria (CERN/CMS)
5. Hard QCD Results with jets and photons @ Tevatron ^(20'+5') J. P. Chou (Rutgers/CDF)
6. Hard QCD Results with jets @ LHC ^(20'+5') S. Menke (MPI Munich/ATLAS)

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Thursday Nov. 17th (the cruise-banquet is at 8.30pm, Metro: Javel, Boat: River Palace)

A) ————— **New phenomena (SUSY)** / chair: G. Mitselmakher —————
9.00-10.55

1. Susy phenomenology, including Susy Higgs (25'+5') R. Barbieri (Pisa)
2. Susy+BSM Higgs @ Tevatron (20'+5') A. Patwa (Brookhaven/DØ)
3. SUSY+BSM Higgs @ ATLAS (15'+5') O. Igonkina (NIKHEF/ATLAS)
4. SUSY+BSM Higgs @ CMS (15'+5') A. Savin (Wisconsin/CMS)
5. Is (are) the Higgs(es) hidden? (15'+5') J. Gunion (U.C. Davis)

B) ————— **New Phenomena (SUSY and beyond)** / chair: P. Jenni —————
11.20-13.15

1. Susy searches @ Tevatron (20'+5') M. Jaffré (LAL-Orsay/DØ)
2. Susy searches @ ATLAS (20'+5') P. de Jong (NIKHEF/ATLAS)
3. Susy searches @ CMS (20'+5') S.A. Koay (Santa Barbara/CMS)
4. High mass resonances @ ATLAS (15'+5') W. Fedorko (Michigan S.U./ATLAS)
5. High mass resonances @ CMS (15'+5') T. Orimoto (CERN/CMS)

————— International Advisory committee / 13.15-14.30 —————

C) ————— **Heavy quark production and rare decays** / chair: G. Punzi ————
14.30-15.30

1. Heavy flavor production @ ALICE (15'+5') C. Suires ((IPN Orsay/ALICE)
2. Heavy flavor production @ Tevatron (15'+5') M. Jones ((Purdue/CDF)
3. Heavy flavor production and spectroscopy @ LHCb (15'+5') D. Milanes (INFN-Bari/LHCb)

————— **Poster session, Coffee and Hot Wine / 15.30-17.00** —————

D) ————— **Heavy quark production and rare decays** / chair: G. Wilkinson
17.00-18.35

1. Heavy flavor results @ CMS (20'+5') V. Chiocchia (Zurich/CMS)
2. Heavy flavor results from ATLAS (20'+5') P. Bell (Geneve/ATLAS)
3. Rare decays @ Tevatron (15'+5') W. Hopkins (FNAL/CDF)
4. Rare decays @ LHCb (20'+5') D. Martinez Santos (CERN/LHCb)

————— **The cruise-banquet is at 8.30pm, Metro: Javel, Boat: River Palace** ————

Friday Nov. 18th

A) ————— **Heavy Ion (II) - soft** / chair: K. Safarik —————
9.00-10.15

1. Theoretical overview of Heavy ions collisions at Low p_T (20'+5') J.-Y.Ollitrault (IPhT Saclay)
2. soft p_T results from RHIC (20'+5') M. Sumbera (Prague/STAR)
3. ALICE+ATLAS+CMS (20'+5') P. Kuijjer (NIKHEF/ALICE)

B) ————— **New Phenomena (Exotica)** / chair: K.S. & G.T. —————
10.15-12.00

1. Tevatron High mass resonances and exotica (20'+5') U. Heintz (Brown/DØ)
2. ——— coffee break: 10.40-11.10 ———
3. ATLAS-exotica (20'+5') N. BOUSSON (CPPM Marseille/ATLAS)
4. CMS-exotica (20'+5') B. Dahmes (Minnesota/CMS)

C) ————— **Overview in Higgs and Susy** / chair: G. Tonelli —————
12.00-13.00

1. SUSY Status and next steps (25'+5') G. Polesello (INFN-Pavia/ATLAS)
2. Higgs Status (Tevatron+LHC) and combinations (25'+5') G. Rolandi (CERN/CMS)

14.15: Conference photo. Be on time! In front of the auditorium.

D) ————— **Outlook and Summary** / chair: F. Gianotti —————
14.30-17.00

1. A few words from IN2P3 J. Martino (IN2P3 Director)
2. Status and prospects for LHC (30'+5') S. Bertolucci (CERN)
3. Short term Outlook (→ 2012) + Experimental Summary (40'+5') J. Virdee (Imperial College)
4. Long term Outlook/Theory (2014 and beyond) (40'+5') J. Ellis (King's College/CERN)
5. HCP+PLHC=LHCP / Thanks! (5') Gregorio/Sandro/Yuji (LPNHE-Paris)

————— Bye-Bye Coffee —————

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