

Hadron Collider Physics Symposium - Contents

The slides of all the talks are stored in INDICO:

<http://indico.in2p3.fr/conferenceOtherViews.py?view=cdsagenda&confId=6004>

Introduction

- 01001** Particle Physics in a Season of Change
Chris Quigg (Fermilab)
- 01002** Milestones of the Tevatron Run
Y.-K. Kim (Chicago/FNAL)
- 01003** Performance in 2011 of LHC, ATLAS & CMS
D. Fournier (LAL Orsay)

QCD, minimum bias and diffraction

- 02001** Soft phenomenology theory
P. Skands (CERN)
- 02002** Results from TOTEM and ALFA
K. Eggert (CERN/TOTEM)
- 02003** Results from LHCf
A. Tricomi (INFN-Catania/LHCf)
- 02004** Results from ALICE
P. Antonioli (INFN-Bologna/ALICE)
- 02005** Results from ATLAS and CMS
R. Rougny (Antwerpen/CMS)
- 02006** QCD studies in the forward region @ LHCb
V. Coco (NIKHEF/LHCb)
- 02007** QCD theory and multijet calculations
D. Kosower (CEA-Saclay)
- 02008** Recent results from HERA and their impact for LHC
K. Lipka (DESY/H1)
- 02009** pdf constraints from LHC
A. De Roeck (CERN/pdf4LHC)
- 02010** Hard QCD Results with photons @ LHC
D. d'Enterria (CERN/CMS)

02011 Hard QCD Results with jets and photons @ Tevatron
J. P. Chou (Rutgers/CDF)

02012 Hard QCD Results with jets @ LHC
S. Menke (MPI Munich/ATLAS)

Heavy Ions

03001 Theoretical overview of High-pT Heavy ions collisions
G. Milhano (Lisbon)

03002 High-pT results @ RHIC
B. Cole (Columbia/PHENIX)

03003 High-pT results @ ALICE
M. van Leeuwen (Utrecht/ALICE)

03004 High-pT results @ ATLAS+CMS
L. Benhabib (LLR-Polytechnique/CMS)

03005 Theoretical overview of Heavy ions collisions at Low pT
J.-Y. Ollitrault (IPhT Saclay)

03006 Soft physics results from RHIC
M. Sumbera (Prague/STAR)

03007 ALICE+ATLAS+CMS
P. Kuijer (NIKHEF/ALICE)

Heavy Flavours production, CP violation and rare decays

04001 CKM and CP violation theory
E. Kou (LAL-Orsay)

04002 CKM angle measurements and search for CPV in charm @ LHCb
M. John (Oxford/LHCb)

04003 CKM and CP violation results @ Tevatron
R. Jesik (Imperial College/DZero)

04004 CP-violation studies in Bs decays @ LHCb
B. Souza de Paula (Rio de Janeiro/LHCb)

04005 Constraints on BSM Physics from BaBar & Belle
G. Calderini (LPNHE-Paris/Babar)

- 04006** Complementarity of super Flavor Factories with Hadron machines
A. Bevan (Q.M.U London)
- 04007** Search for CP violation in twobody at LHCb
M. Charles (Oxford)
- 04008** Heavy flavor production @ ALICE
C. Suire (IPN Orsay/ALICE)
- 04009** Heavy flavor production @ Tevatron
M. Jones (Purdue/CDF)
- 04010** Heavy flavor production and spectroscopy @ LHCb
D. Milanese (INFN-Bari/LHCb)
- 04011** Heavy flavor results @ CMS
V. Chiochia (Zurich/CMS)
- 04012** Heavy flavor results from ATLAS
P. Bell (Geneve/ATLAS)
- 04013** Rare decays @ Tevatron
W. Hopkins (FNAL/CDF)
- 04014** Rare decays @ LHCb
D. Martinez Santos (CERN/LHCb)

Top quark physics

- 05001** ttbar and single top theoretical overview
S. Weinzierl (Mainz)
- 05002** ttbar cross sections @ ATLAS+CMS
T. J. Kim (Korea U./CMS)
- 05003** ttbar and single top cross sections @ Tevatron
E. Shabalina (Goettingen/DZero)
- 05004** single top results @ ATLAS+CMS
P. Haefner (MPI Munich/ATLAS)
- 05005** Theoretical overview of top and weak bosons properties
S. Willenbrock (Urbana)
- 05006** Top mass/properties @ Tevatron
H.S. Lee (Chicago/CDF)
- 05007** Top mass/properties @ ATLAS+CMS
J. Leveque (Annecy/ATLAS)

Electroweak Boson Physics

- 06001** Diboson Results @ Tevatron
A. Robson (Glasgow/CDF)
- 06002** Diboson Results @ CMS
A. Martelli (INFN-Milano/CMS) T. Bose (Boston)
- 06003** Diboson Results @ ATLAS
P.-F. Giraud (CEA-Saclay/ATLAS)
- 06004** Electroweak results @ LHCb
Y. Amhis (Lausanne/LHCb)
- 06005** V+jets results @ ATLAS+CMS
B. Trocme (LPSC-Grenoble/ATLAS)
- 06006** W/Z properties and V+jets @ Tevatron
D. Price (Indiana/DZero)
- 06007** W/Z properties @ ATLAS+CMS
J. Santaolalla (CIEMAT/CMS)
- 06008** W mass results @ Tevatron+LHC
A. Melnitchouk (Mississippi/DZero)

SM Higgs Boson Physics

- 07001** Higgs Theoretical Cross Sections (gg to H, VH, VBF)
M. Grazzini (Zurich)
- 07002** Searches at "High" Higgs mass @ Tevatron
K. Petridis (Manchester/DZero)
- 07003** Searches for H to WW, ZZ @ ATLAS
L. Ionomidou-Fayard (LAL-Orsay/ATLAS)
- 07004** Searches for H to WW and H to ZZ @ CMS
G. Codispoti (Madrid/CMS)
- 07005** Searches for Low mass Higgs @ Tevatron
F. Sforza (INFN-Pisa/CDF)
- 07006** Dibosons with Z to bb @ Tevatron
J-F. Grivaz (LAL-Orsay/DZero)

07007 Searches for Low mass Higgs @ ATLAS
M. Duehrssen (CERN/ATLAS)

07008 Searches for Low mass Higgs @ CMS
V. Rekovic (Minnesota/CMS)

SM Higgs Boson Combinations and beyond

08001 Standard Model Higgs Combination @ Tevatron
W. Yao (LBL/Berkeley/CDF)

08002 Standard Model Higgs Combination @ ATLAS
F. Tarrade (Carleton/ATLAS)

08003 Standard Model Higgs Combination @ CMS
M. Bluj (LLR-Polytechnique/CMS)

08004 Composite Higgs under LHC Experimental Scrutiny
C. Grojean (CERN)

New phenomena - SUSY, Exotica and beyond

09001 Susy phenomenology, including Susy Higgs
R. Barbieri (Pisa)

09002 Susy+BSM Higgs @ Tevatron
A. Patwa (Brookhaven/DZero)

09003 SUSY+BSM Higgs @ ATLAS
O. Igonkina (NIKHEF/ATLAS)

09004 SUSY+BSM Higgs @ CMS
A. Savin (Wisconsin/CMS)

09005 Is (are) the Higgs(es) hidden?
J. Gunion (U.C. Davis)

09006 Susy searches @ Tevatron
M. Jaffre (LAL-Orsay/DZero)

09007 Susy searches @ ATLAS
P. de Jong (NIKHEF/ATLAS)

09008 Susy searches @ CMS
S.A. Koay (Santa Barbara/CMS)

09009 High mass resonances @ ATLAS
W. Fedorko (Michigan S.U./ATLAS)

09010 High mass resonances @ CMS
T. Orimoto (CERN/CMS)

09011 Tevatron High mass resonances and exotica
U. Heintz (Brown / DZero)

09012 ATLAS-exotica
N. Bousson (CPPM Marseille / ATLAS)

09013 CMS-exotica
B. Dahmes (Minnesota/CMS)

Overviews on Higgs and SuSy

10001 SUSY Status and next steps
G. Polesello (INFN-Pavia / ATLAS)

10002 Higgs Status (Tevatron+LHC) and combination
G. Rolandi (CERN/CMS)

Outlook and Summary

11001 A few words from IN2P3
Jacques Martino (IN2P3)

11002 Status and prospects for LHC
S. Bertolucci (CERN)

11003 Short term Outlook (to 2012) + Experimental Summary
J. Virdee (Imperial College)

11004 Long term Outlook/Theory (2014 and beyond)
J. Ellis (CERN)

POSTER Session

12001 The D+s production in pp collision at 7 TeV measured in the ALICE central barrel.
Gian Michele Innocenti (INFN Torino)

12003 Search for heavy resonances in the dilepton channel
Daniel Hayden (Royal Holloway)

- 12004** Model Unspecific Search In CMS
Shivali Malhotra (Univ. of Delhi)
- 12005** Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions in ATLAS
Frederic Brochu (Cambridge)
- 12006** Triggering on hadronic tau decays: a challenge met by ATLAS
Marcus Morgenstern (TU Dresden)
- 12007** Tau reconstruction and identification in ATLAS
Felix Friedrich (TU Dresden)
- 12008** Search for supersymmetry in events with two leptons including a tau
Matthias Edelhoff (RWTH Aachen)
- 12009** Search for extra dimension in the diphoton final state with ATLAS
Quentin Buat (LPSC Grenoble)
- 12010** ANALYTICAL CALCULATIONS IN MULTIPERIPHERAL MODEL
Andrii Tykhonov (Ljubljana)
- 12011** Search for new physics in events with opposite-sign dileptons and missing transverse energy with the CMS experiment
Daniel Sprenger (RWTH, Aachen)
- 12012** Search for Leptoquarks of 1st Generation Search for Leptoquarks of 1st Generation Using the ATLAS Detector Using the ATLAS Detector
John Stupak (SUNY Stony Brook)
- 12013** The Non-Perturbative Self-Consistent Model in SU(N) Gauge Field Theory
Andrey Koshelkin (Moscow)
- 12014** E6SSM vs MSSM gluino phenomenology
Patrik Svantesson (Southampton)
- 12015** Search for New Phenomena in Monojet plus Missing Transverse Momentum Final States in ATLAS
Mario Martinez-Perez (IFAE Barcelona)
- 12016** Non-collision backgrounds in ATLAS
David Salek (CERN)
- 12017** Search for supersymmetry in events with a Z boson, jets and missing energy
Marco - Andrea Buchmann (ETH Zurich)
- 12018** Search for flavor-changing neutral currents in top quark decays at ATLAS
Arely Cortes Gonzalez (U.I. Urbana-Champaign)

- 12019** Inclusive Search for Squarks and Gluinos using the Razor Kinematic Variable
Alex Mott (California Inst. of Tech.)
- 12020** A Search for $t\bar{t}$ resonances in the Dilepton Channel in 1.04/fb of pp Collisions at $\sqrt{s} = 7$ TeV
Stephen Swedish (TRIUMF)
- 12021** Search for supersymmetry in hadronic final states with MT2
Hannsjoerg Weber (ETH Zurich)
- 12022** Search for Same-Sign Top Pairs and Fourth Generation Bottom-like Quarks in Same-Sign Dilepton Final States with 1 /fb of Data
Alejandro Diaz (Lund University)
- 12023** A Novel Technique to reconstruct the Z mass in WZ/ZZ events with lepton, missing transverse energy and three jets
Caterina Vernieri (INFN Pisa)
- 12024** The ATLAS Tile Calorimeter performance at LHC in pp collisions at 7 TeV
Federico Bertolucci (INFN Pisa)
- 12025** Quarkonium Production in ATLAS
Darren Price (Indiana University)
- 12026** Possible Effect of Mixed Phase and Deconfinement upon spin correlations in the Lambda-anti-Lambda pairs produced in relativistic heavy ion collisions
Valery Lyuboshitz (Dubna)
- 12027** On the pair correlations of Neutral K, D, B, and Bs mesons with close momenta produced in inclusive multiparticle processes
Valery Lyuboshitz (Dubna)
- 12028** Photon polarization in b to s gamma using B to K* ll
Michelle Nicol (LAL Orsay)
- 12029** Study of the B+- to p anti(p)K+- decay channel at LHCb
Roberta Cardinale (INFN Genova)
- 12030** Measurement of the gamma angle at LHCb
Alexandra Martin Sanchez (LAL Orsay)
- 12031** Measurement of the ratio of branching fractions BR(B to K*gamma)/BR(Bs to phi gamma) at LHCb
Daria Savrina (ITEP)
- 12032** Search for CP violation in B0 to J/Psi KS0 decays with first LHCb data
Murilo Rangel (Rio de Janeiro)

- 12033** Speculative Reading, Speculative Physics
Clarissa Lee (Duke University)
- 12034** Muon alignment
Nayanka Boinet (CEA Saclay)
- 12035** Study of the muon isolation as a function of pile-up
Alessandro Manfredini (MPI Munich)
- 12036** Triggering on electron at high luminosity with CMS
Alexandre Zabi (Ecole Polytech.)
- 12037** A measurement of the ATLAS di-muons trigger efficiency in proton-proton collisions at $\sqrt{s} = 7$ TeV
Attilio Picazio (U. Genve)
- 12038** Search for Bs to Mu Mu and B0 to Mu Mu decays in CMS
Luca Martini (INFN Pisa)
- 12039** Measurement of the muon momentum resolution
Antonio Salvucci (Nijmegen & NIKHEF)
- 12040** Measurement of the muon reconstruction efficiencies
Nicola Orlando (INFN Lecce)
- 12041** Search for single top tW associated production in the dilepton decay channel
Jochen Ott (KIT-Karlsruhe)
- 12042** Measurement of the top quark pair production cross section at 7 TeV in the all-hadronic channel
Antonio Tropiano (INFN- Firenze)
- 12043** Luminosity measurement in ATLAS
Samir Arfaoui (CPPM Marseille)
- 12044** Top quark mass extraction from cross section measurement
Maria Aldaya (DESY)
- 12045** Measurement of the Charge Asymmetry in Top Quark Pair Production with the CMS Experiment
Christian Boser (Karlsruhe)
- 12046** The measurement of the charge asymmetry in top-antitop production using data at $\sqrt{s} = 7$ TeV collected by the ATLAS detector
Rachik Soualah (Udine)
- 12047** Measurement of the ZZ Production Cross Section in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector, and limits on triple gauge couplings
Nicholas Edwards (University of Glasgow)

- 12048** ATLAS Standard Model WZ results
Peter Loscutoff (Berkeley LBL)
- 12049** Exclusive B-Decays in ATLAS
Adam Barton (Lancaster)
- 12050** Measurement of the b-jet cross-section with associated vector boson production with the ATLAS experiment at the LHC
Heather Gray (CERN)
- 12051** Measurement of the production cross section for Z/gamma* in association with jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector
Evelin Meoni (IFAE Barcelona)
- 12052** Track based Alignment of the Inner Detector of ATLAS
Ana Ovcharova (LBNL)
- 12053** Search for SM Higgs boson with VH associated production with ATLAS detector
Alberto Palma (LIP Lisbon)
- 12054** Search for WH associated production at DZERO Tevatron
Florian Miconi ((PHC, Strasbourg)
- 12055** b-tag algorithms in CMS
Cristina Ferro (IPHC)
- 12056** Search for the Standard Model Higgs Boson Decaying to Bottom Quarks and Produced in Association with a W or a Z Boson
Michele De Gruttola (Univ. of Florida)
- 12057** Search for charged Higgs bosons in ATLAS
Daniel Pelikan (Uppsala Univ.)
- 12058** Search for Standard Model Higgs boson in the two-photon final state in ATLAS
Olivier Davignon (LPNHE Paris)
- 12059** Photon energy scale determination and commissioning with radiative Z decays
Olivier Bondu (IPN Lyon)
- 12060** Higgs in gamma gamma search in CMS
Hugues Louis Brun (IPN Lyon)
- 12061** Search for the SM Higgs boson using the H to ZZ to 2l2j decay mode at the CMS
Roberto Castello (Torino/Louvain)

- 12062** Search for Standard Model Higgs boson in the four-lepton channel with ATLAS
Jerome Odier (CPPM Marseille)
- 12063** Analysis strategy for the SM Higgs boson search in the four-lepton final state with the CMS detector
Alberto Graziano (INFN-Torino)
- 12064** Search for the Standard Model Higgs boson in the $H \rightarrow WW(\gamma)\gamma$ decay mode using 1.7 fb of data collected with the ATLAS detector at $\sqrt{s} = 7$ TeV
Xiao Meng (CEA Saclay)
- 12065** Search for the SM Higgs boson using the $H \rightarrow ZZ \rightarrow 2l2\nu$ decay mode at the CMS
Arun Kumar (Univ. of Delhi)
- 12066** Refined reconstruction and calibration of the missing transverse energy in the ATLAS detector
Marianna Testa (LNF-INFN)
- 12067** Measurement of dijet production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
Pauline Bernat (University College London)
- 12068** Unified description of fundamental forces including gravitation
Hans-Peter Morsch (Juelich)
- 12069** ATLAS Upgrade for the HL-LHC: meeting the challenges of a five-fold increase in collision rate
Peter Vankov (DESY)
- 12070** Higgs phenomenology of Minimal Universal Extra Dimensions at the LHC
Matthew Brown (Southampton)
- 12071** Anode-resistive Micromegas for HL-LHC
Joany Manjarresa (CEA-Saclay)