

DIS09

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome to DIS 2009

Sunday, April 26, 2009 9:00 AM (15 minutes)

Primary author: GLASMAN, Claudia

Presenter: GLASMAN, Claudia

Session Classification: Plenary Session

Contribution ID: 1

Type: **not specified**

Recent Results from H1

Sunday, April 26, 2009 9:15 AM (30 minutes)

Primary author: SCHMITT, Stefan (DESY)

Presenter: SCHMITT, Stefan (DESY)

Session Classification: Plenary Session

Contribution ID: 2

Type: **not specified**

Recent Results from ZEUS

Sunday, April 26, 2009 9:45 AM (30 minutes)

Primary author: TASSI, Enrico (Calabria University - INFN Cosenza)

Presenter: TASSI, Enrico (Calabria University - INFN Cosenza)

Session Classification: Plenary Session

Contribution ID: 3

Type: **not specified**

Recent Results from CDF

Sunday, April 26, 2009 5:30 PM (30 minutes)

Primary author: Dr CHIARELLI, Giorgio (INFN Pisa)

Presenter: Dr CHIARELLI, Giorgio (INFN Pisa)

Session Classification: Plenary Session

Contribution ID: 4

Type: **not specified**

Recent Results from D0

Sunday, April 26, 2009 11:15 AM (30 minutes)

Primary author: SCHAMBERGER, Robert (Stony Brook University)

Presenter: SCHAMBERGER, Robert (Stony Brook University)

Session Classification: Plenary Session

Contribution ID: 5

Type: **not specified**

Status of the Proton PDFs

Sunday, April 26, 2009 11:45 AM (35 minutes)

Primary author: NADOLSKY, Pavel (Southern Methodist University)

Presenter: NADOLSKY, Pavel (Southern Methodist University)

Session Classification: Plenary Session

Contribution ID: 6

Type: **not specified**

Recent Developments in QCD

Sunday, April 26, 2009 12:20 PM (30 minutes)

Primary author: GLOVER, Nigel (University of Durham)

Presenter: GLOVER, Nigel (University of Durham)

Session Classification: Plenary Session

Contribution ID: 7

Type: **not specified**

Recent Developments in Low-x Physics

Sunday, April 26, 2009 12:50 PM (30 minutes)

Primary author: , Jochen Bartels (Hamburg University)

Presenter: , Jochen Bartels (Hamburg University)

Session Classification: Plenary Session

Contribution ID: 8

Type: **not specified**

Status of ATLAS

Sunday, April 26, 2009 3:00 PM (30 minutes)

Primary author: WATSON, Alan (University of Birmingham)

Presenter: WATSON, Alan (University of Birmingham)

Session Classification: Plenary Session

Contribution ID: 9

Type: **not specified**

Status of CMS

Sunday, April 26, 2009 3:30 PM (30 minutes)

Primary author: ARCIDIACONO, Roberta (Universita' di Torino & INFN)

Presenter: ARCIDIACONO, Roberta (Universita' di Torino & INFN)

Session Classification: Plenary Session

Contribution ID: **10**

Type: **not specified**

Status of Monte Carlo Programs

Sunday, April 26, 2009 4:00 PM (30 minutes)

Primary author: FRIXIONE, Stefano (CERN and EPFL)

Presenter: FRIXIONE, Stefano (CERN and EPFL)

Session Classification: Plenary Session

Contribution ID: 11

Type: **not specified**

Experimental Results in DIS from Jefferson Laboratory

Sunday, April 26, 2009 5:00 PM (30 minutes)

Primary author: KUHN, Sebastian (Old Dominion University)

Presenter: KUHN, Sebastian (Old Dominion University)

Session Classification: Plenary Session

Contribution ID: 12

Type: **not specified**

Review of Spin Physics

Sunday, April 26, 2009 10:15 AM (30 minutes)

Primary author: ASCHENAUER, Elke-Caroline (Brookhaven National Laboratory)

Presenter: ASCHENAUER, Elke-Caroline (Brookhaven National Laboratory)

Session Classification: Plenary Session

Contribution ID: 13

Type: **not specified**

Experimental Review of Heavy-Ion Physics

Sunday, April 26, 2009 6:00 PM (30 minutes)

Primary author: D'ENTERRIA, David (ICCUB-ICREA Barcelona)

Presenter: D'ENTERRIA, David (ICCUB-ICREA Barcelona)

Session Classification: Plenary Session

Contribution ID: 14

Type: **not specified**

Theoretical Progress in Heavy-Ion Collisions

Sunday, April 26, 2009 6:30 PM (30 minutes)

Primary author: ARMESTO PEREZ, Nestor (Universidade de Santiago de Compostela)

Presenter: ARMESTO PEREZ, Nestor (Universidade de Santiago de Compostela)

Session Classification: Plenary Session

Contribution ID: 15

Type: **not specified**

Structure Functions and Low-x: Theoretical Summary

Thursday, April 30, 2009 9:00 AM (20 minutes)

Presenter: SABIO VERA, Agustin

Session Classification: Plenary Session

Contribution ID: 16

Type: **not specified**

Diffraction and Vector Mesons: Theoretical Summary

Thursday, April 30, 2009 9:45 AM (20 minutes)

Presenter: DIEHL, Markus

Session Classification: Plenary Session

Contribution ID: 17

Type: **not specified**

Electroweak Physics and BSM: Theoretical Summary

Thursday, April 30, 2009 11:00 AM (20 minutes)

Presenter: DEL AGUILA, Francisco (Facultad de Fisica)

Session Classification: Plenary Session

Contribution ID: **18**

Type: **not specified**

Hadronic Final States and QCD: Theoretical Summary

Thursday, April 30, 2009 11:45 AM (15 minutes)

Presenter: MOTYKA, Leszek (Hamburg University)

Session Classification: Plenary Session

Contribution ID: 19

Type: **not specified**

Heavy Flavours: News from Theory

Thursday, April 30, 2009 12:30 PM (15 minutes)

Presenter: ALI, Ahmed (Unknown)

Session Classification: Plenary Session

Contribution ID: **20**

Type: **not specified**

Spin Physics: Theoretical Summary

Thursday, April 30, 2009 2:45 PM (20 minutes)

Presenter: SASSOT, Rodolfo (Universidad de Buenos Aires)

Session Classification: Plenary Session

Contribution ID: 21

Type: **not specified**

Future Facilities: Introduction

Thursday, April 30, 2009 3:30 PM (5 minutes)

Primary author: DE ROECK, Albert (CERN & Antwerp University)

Presenter: DE ROECK, Albert (CERN & Antwerp University)

Session Classification: Plenary Session

Contribution ID: 22

Type: **not specified**

Electroweak Symmetry Breaking on the Eve of the LHC Startup

Primary author: ESPINOSA, Jose (Departm.of Physics & Astronomy)

Presenter: ESPINOSA, Jose (Departm.of Physics & Astronomy)

Contribution ID: 23

Type: **not specified**

Concluding Talk: Outlook and Perspectives

Thursday, April 30, 2009 5:15 PM (45 minutes)

Primary author: ALTARELLI, Guido (Universita Roma Tre/CERN)

Presenter: ALTARELLI, Guido (Universita Roma Tre/CERN)

Session Classification: Plenary Session

Contribution ID: 24

Type: **not specified**

Final Remarks

Thursday, April 30, 2009 6:00 PM (10 minutes)

Primary author: LEVY, Aharon (Tel Aviv University)

Presenter: LEVY, Aharon (Tel Aviv University)

Session Classification: Plenary Session

Contribution ID: 25

Type: **not specified**

Closing of DIS 2009

Thursday, April 30, 2009 6:10 PM (5 minutes)

Primary author: TERRON, Juan (Universidad Autonoma de Madrid)

Presenter: TERRON, Juan (Universidad Autonoma de Madrid)

Session Classification: Plenary Session

Contribution ID: 26

Type: **not specified**

The LHeC Project Perspective

Thursday, April 30, 2009 3:35 PM (15 minutes)

Primary author: KLEIN, Max (University of Liverpool)

Presenter: KLEIN, Max (University of Liverpool)

Session Classification: Plenary Session

Contribution ID: 27

Type: **not specified**

The EIC Project Perspective

Thursday, April 30, 2009 3:50 PM (15 minutes)

Primary author: DESHPANDE, Abhay (Stony Brook University)

Presenter: DESHPANDE, Abhay (Stony Brook University)

Session Classification: Plenary Session

Contribution ID: 28

Type: **not specified**

LHeC/EIC Panel Discussion

Thursday, April 30, 2009 4:05 PM (45 minutes)

Primary authors: DESHPANDE, Abhay (KEK); CALDWELL, Allen (Max-Planck-Institut fuer Physik Munich); THOMAS, Anthony (Jefferson Lab); KLEIN, Max (Institut fuer Hochenergiephysik Zeuthen); BERTOLUCCI, Sergio (CERN); VIGDOR, Steve (Brookhaven National Laboratory)

Presenters: DESHPANDE, Abhay (KEK); CALDWELL, Allen (Max-Planck-Institut fuer Physik Munich); THOMAS, Anthony (Jefferson Lab); KLEIN, Max (Institut fuer Hochenergiephysik Zeuthen); BERTOLUCCI, Sergio (CERN); VIGDOR, Steve (Brookhaven National Laboratory)

Session Classification: Plenary Session

Contribution ID: 29

Type: **not specified**

Search for Single Top Production at HERA

Monday, April 27, 2009 9:00 AM (20 minutes)

Primary author: ANTONELLI, Stefano (INFN Bologna)

Presenter: ANTONELLI, Stefano (INFN Bologna)

Session Classification: Electroweak Physics and Beyond the Standard Model

Track Classification: Electroweak and Beyond the Standard Model Physics

Contribution ID: 30

Type: **not specified**

Top Quark Results at the Tevatron

Monday, April 27, 2009 9:20 AM (30 minutes)

Primary author: AGUILO, Ernest (York University)

Presenter: AGUILO, Ernest (York University)

Session Classification: Electroweak Physics and Beyond the Standard Model

Track Classification: Electroweak and Beyond the Standard Model Physics

Contribution ID: 31

Type: **not specified**

Prospects for Top Quark Physics at the LHC

Monday, April 27, 2009 9:50 AM (25 minutes)

Primary author: GELE, Denis (IPHC)

Presenter: GELE, Denis (IPHC)

Session Classification: Electroweak Physics and Beyond the Standard Model

Track Classification: Electroweak and Beyond the Standard Model Physics

Contribution ID: **32**

Type: **not specified**

Top Physics

Monday, April 27, 2009 10:15 AM (30 minutes)

Primary author: BERNREUTHER, Werner (RWTH Aachen)

Presenter: BERNREUTHER, Werner (RWTH Aachen)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 33

Type: **not specified**

Isolated high-pt leptons at HERA

Monday, April 27, 2009 11:15 AM (30 minutes)

Primary author: BRANDT, Gerhard (DESY)

Presenter: BRANDT, Gerhard (DESY)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 35

Type: **not specified**

Electroweak Physics/Z'

Monday, April 27, 2009 11:45 AM (30 minutes)

Primary author: ERLER, Jens (IF-UNAM)

Presenter: ERLER, Jens (IF-UNAM)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: **36**

Type: **not specified**

Neutrino Physics

Monday, April 27, 2009 12:15 PM (35 minutes)

Primary author: ISHITSUKA, Masaki (Tokyo Institute of Technology)

Presenter: ISHITSUKA, Masaki (Tokyo Institute of Technology)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 37

Type: **not specified**

Precise Electroweak Measurements at the Tevatron

Monday, April 27, 2009 3:00 PM (25 minutes)

Primary author: JAYATILAKA, Bodhitha (Duke University)

Presenter: JAYATILAKA, Bodhitha (Duke University)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 38

Type: **not specified**

Prospects for Precise Electroweak Physics at the LHC

Monday, April 27, 2009 3:25 PM (25 minutes)

Primary author: KLINKBY, Esben (Duke University)

Presenter: KLINKBY, Esben (Duke University)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 39

Type: **not specified**

Monte Carlo Generators for SM signal and backgrounds

Monday, April 27, 2009 3:50 PM (30 minutes)

Primary author: MORETTI, Mario (Ferrara)

Presenter: MORETTI, Mario (Ferrara)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 40

Type: **not specified**

Monte Carlo Generators for New Physics and Studies at NLO

Monday, April 27, 2009 4:20 PM (25 minutes)

Primary author: PITTAU, Roberto (University of Granada)

Presenter: PITTAU, Roberto (University of Granada)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 41

Type: **not specified**

Results on Searches for new physics with kaons

Monday, April 27, 2009 5:15 PM (30 minutes)

Primary author: , Riccardo Fantechi (Pisa)

Presenter: FANTECHI, Riccardo (INFN - Pisa)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 42

Type: **not specified**

New measurement of F_L at low Q^2 from H1

Monday, April 27, 2009 9:00 AM (20 minutes)

Primary author: GLAZOV, Alexandre (DESY)

Presenter: GLAZOV, Alexandre (DESY)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 43

Type: **not specified**

Search for Excited Leptons and Quarks at HERA

Monday, April 27, 2009 5:45 PM (25 minutes)

Primary author: STOICEA, Gabriel (IFIN-HH Bucharest)

Presenter: STOICEA, Gabriel (IFIN-HH Bucharest)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 44

Type: **not specified**

Measurement of F_L from ZEUS

Monday, April 27, 2009 9:25 AM (20 minutes)

Primary author: GREBENYUK, Julia (DESY)

Presenter: GREBENYUK, Julia (DESY)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 45

Type: **not specified**

Exotic (non-SUSY) Searches at the LHC

Monday, April 27, 2009 6:10 PM (30 minutes)

Primary author: TAN, Ping (FNAL)

Presenter: TAN, Ping (FNAL)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 47

Type: **not specified**

F_L structure function from the unified DGLAP/BFKL approach

Monday, April 27, 2009 9:50 AM (20 minutes)

Primary author: STASTO, Anna (Penn State U./RIKEN BNL)

Presenter: STASTO, Anna (Penn State U./RIKEN BNL)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 48

Type: **not specified**

The color dipole picture and F_L

Monday, April 27, 2009 10:15 AM (20 minutes)

Primary author: SCHILDKNECHT, Dieter (Bielefeld University)

Presenter: SCHILDKNECHT, Dieter (Bielefeld University)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 49

Type: **not specified**

Diboson Production at the Tevatron

Tuesday, April 28, 2009 9:00 AM (25 minutes)

Primary author: COOKE, Michel (Fermilab)

Presenter: COOKE, Michel (Fermilab)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 50

Type: **not specified**

Search for SM Higgs at the Tevatron

Tuesday, April 28, 2009 9:25 AM (25 minutes)

Primary author: ANASTASSOV, Anton (Northwestern University)

Presenter: ANASTASSOV, Anton (Northwestern University)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 51

Type: **not specified**

SM Higgs Searches at the LHC

Tuesday, April 28, 2009 9:50 AM (25 minutes)

Primary author: LOBELLE PARDO, Patricia (Universidad de Cantabria)

Presenter: LOBELLE PARDO, Patricia (Universidad de Cantabria)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 53

Type: **not specified**

Extra Dimensions

Tuesday, April 28, 2009 10:15 AM (30 minutes)

Primary author: QUIROS, MARIANO (ICREA/IFAE-Barcelona)

Presenter: QUIROS, MARIANO (ICREA/IFAE-Barcelona)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 54

Type: **not specified**

Precise measurement of DIS at low Q^2 and phenomenological fits from H1

Monday, April 27, 2009 11:15 AM (18 minutes)

Primary author: PETRUKHIN, Alexey (ITEP Institute for Theoretical and Experimental Physics (ITEP)-U)

Presenter: PETRUKHIN, Alexey (ITEP Institute for Theoretical and Experimental Physics (ITEP)-U)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 55

Type: **not specified**

Search for non-SM Higgs at the Tevatron

Tuesday, April 28, 2009 11:15 AM (25 minutes)

Primary author: SCANLON, Tim (Imperial College)

Presenter: SCANLON, Tim (Imperial College)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 56

Type: **not specified**

F2 at medium Q2 and the PDF determination for H1 HERA I data

Monday, April 27, 2009 11:37 AM (18 minutes)

Primary author: KRETZSCHMAR, Jan (University of Liverpool)

Presenter: KRETZSCHMAR, Jan (University of Liverpool)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 57

Type: **not specified**

Non-SM Higgs Searches at the LHC

Tuesday, April 28, 2009 11:40 AM (25 minutes)

Primary author: HORVAT, Sandra

Presenter: HORVAT, Sandra

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 58

Type: **not specified**

Higgs/SUSY

Tuesday, April 28, 2009 12:05 PM (30 minutes)

Primary author: HEINEMEYER, Sven (IFCA-Cantabria)

Presenter: HEINEMEYER, Sven (IFCA-Cantabria)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 59

Type: **not specified**

Measurement of NC and CC cross sections at high Q^2 and impact on ZEUS PDF fit

Monday, April 27, 2009 11:59 AM (20 minutes)

Primary author: COOPER-SARKAR, Amanda (Oxford University)

Presenter: COOPER-SARKAR, Amanda (Oxford University)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: **60**

Type: **not specified**

Supersymmetry

Tuesday, April 28, 2009 12:35 PM (25 minutes)

Primary author: ZERWAS, Dirk (LAL Orsay)

Presenter: ZERWAS, Dirk (LAL Orsay)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 62

Type: **not specified**

Search for SUSY at the Tevatron

Tuesday, April 28, 2009 5:15 PM (30 minutes)

Primary author: LOGINOV, Andrey (Yale University)

Presenter: LOGINOV, Andrey (Yale University)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 63

Type: **not specified**

Combined data of inclusive DIS measurements at HERA I

Monday, April 27, 2009 12:23 PM (18 minutes)

Primary author: TASSI, Enrico (Calabria University and INFN-Cosenza)

Presenter: TASSI, Enrico (Calabria University and INFN-Cosenza)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 65

Type: **not specified**

SUSY Searches at the LHC

Tuesday, April 28, 2009 6:10 PM (25 minutes)

Primary author: CASADEI, Diego (New York University)

Presenter: CASADEI, Diego (New York University)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 66

Type: **not specified**

A General Search for New Phenomena at HERA

Presenter: BRANDT, Gerhard

Contribution ID: 67

Type: **not specified**

Multilepton Production at HERA

Wednesday, April 29, 2009 9:00 AM (25 minutes)

Primary author: TURCATO, Monica (Hamburg University)

Presenter: TURCATO, Monica (Hamburg University)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 68

Type: **not specified**

Obstacles in the calculation of structure functions

Monday, April 27, 2009 3:00 PM (20 minutes)

Primary author: VERMASEREN, Jos (Nikhef)

Presenter: VERMASEREN, Jos (Nikhef)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 69

Type: **not specified**

Search for multimuons in CDF

Wednesday, April 29, 2009 9:25 AM (25 minutes)

Primary author: HAPPACHER, Fabio (Laboratori Nazionali di Frascati)

Presenter: HAPPACHER, Fabio (Laboratori Nazionali di Frascati)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 70

Type: **not specified**

From moments to functions in higher order QCD

Monday, April 27, 2009 3:25 PM (20 minutes)

Primary author: BLUEMLEIN, Johannes (DESY)

Presenter: BLUEMLEIN, Johannes (DESY)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 71

Type: **not specified**

Search for multimuons in D0

Wednesday, April 29, 2009 9:50 AM (25 minutes)

Primary author: RATOFF, Peter (Lancaster University)

Presenter: RATOFF, Peter (Lancaster University)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 72

Type: **not specified**

New higher-order results on coefficient functions

Monday, April 27, 2009 3:50 PM (20 minutes)

Primary author: VOGT, Andreas (Liverpool University)

Presenter: VOGT, Andreas (Liverpool University)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 73

Type: **not specified**

Multi-lepton signals at LHC: the key to model discrimination

Wednesday, April 29, 2009 10:15 AM (30 minutes)

Primary author: AGUILAR-SAAVEDRA, Juan Antonio (University of Granada)

Presenter: AGUILAR-SAAVEDRA, Juan Antonio (University of Granada)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 74

Type: **not specified**

High-energy resummation of Drell-Yan processes

Monday, April 27, 2009 4:15 PM (20 minutes)

Primary author: MARZANI, Simone (University of Manchester)

Presenter: MARZANI, Simone (University of Manchester)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 75

Type: **not specified**

B-physics

Presenter: TBC

Contribution ID: 76

Type: **not specified**

Introduction

Monday, April 27, 2009 9:00 AM (5 minutes)

Primary authors: ALI, Ahmed (DESY); TONELLI, Diego (Fermilab); GLADILIN, Leonid (Moscow State University)

Presenters: ALI, Ahmed (DESY); TONELLI, Diego (Fermilab); GLADILIN, Leonid (Moscow State University)

Session Classification: Heavy Flavours

Contribution ID: 77

Type: **not specified**

Results on Searches for new physics in B-factories

Wednesday, April 29, 2009 11:40 AM (25 minutes)

Primary author: EIGEN, Gerald (gerald.eigen@ift.uib.no)

Presenter: EIGEN, Gerald (Bergen)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 78

Type: **not specified**

Gluon density from discret BFKL pomeron

Monday, April 27, 2009 5:15 PM (20 minutes)

Primary author: KOWALSKI, Henri Paul (Deutsches Elektronen Synchrotron (DESY))

Presenter: KOWALSKI, Henri Paul (Deutsches Elektronen Synchrotron (DESY))

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 79

Type: **not specified**

A matrix formulation of small x RG improved evolution

Monday, April 27, 2009 5:40 PM (20 minutes)

Primary author: COLFERAI, Dimitri (University of Florence and INFN)

Presenter: COLFERAI, Dimitri (University of Florence and INFN)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 80

Type: **not specified**

Search for new physics in the Bs sector at the Tevatron

Wednesday, April 29, 2009 12:05 PM (25 minutes)

Primary author: KUHR, Thomas (University of Karlsruhe)

Presenter: KUHR, Thomas (University of Karlsruhe)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: **81**Type: **not specified**

Search for new physics in the B-sector at the LHC

Wednesday, April 29, 2009 12:30 PM (30 minutes)

Primary author: ALBRECHT, Johannes (U. Heidelberg)

Presenter: ALBRECHT, Johannes (U. Heidelberg)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 82

Type: **not specified**

Inclusive photoproduction of D^* mesons at next-to-leading order in the General-Mass Variable-Flavor-Number Scheme

Monday, April 27, 2009 9:05 AM (15 minutes)

I discuss the inclusive production of D^* mesons in photon-proton collisions at DESY HERA, based on a calculation at next-to-leading order in the general-mass variable-flavor-number scheme. In this approach, $\overline{\text{MS}}$ subtraction is applied in such a way that large logarithmic corrections are resummed in universal parton distribution and fragmentation functions and finite mass terms are taken into account. I present detailed numerical results for a comparison with data obtained at HERA and discuss various sources of theoretical uncertainties.

Primary author: SPIESBERGER, Hubert (Mainz)

Presenter: SPIESBERGER, Hubert (Mainz)

Session Classification: Heavy Flavours

Contribution ID: 83

Type: **not specified**

Ambiguities of the NLO BFKL kernel

Monday, April 27, 2009 6:05 PM (20 minutes)

Primary author: FADIN, Victor S. (Budker Institute of Nuclear Physics, Novosibirsk)

Presenter: FADIN, Victor S. (Budker Institute of Nuclear Physics, Novosibirsk)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 84

Type: **not specified**

MC@NLO for heavy quarks at HERA

Monday, April 27, 2009 10:05 AM (15 minutes)

In this talk the recently completed version of MC@NLO for heavy quarks in photoproduction will be presented. In MC@NLO the matrix element is calculated to NLO in the coupling, and then supplemented by parton showers resummed to all orders. To avoid double counting, the NLO calculation has to be matched to the parton shower. Comparisons with H1 and Zeus data will be shown.

Primary author: TOLL, Tobias (DESY)

Presenter: TOLL, Tobias (DESY)

Session Classification: Heavy Flavours

Contribution ID: 85

Type: **not specified**

Small x evolution in the NLO

Monday, April 27, 2009 6:30 PM (20 minutes)

Primary author: BALITSKY, Ian (JLab/ODU)

Presenter: BALITSKY, Ian (JLab/ODU)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: **86**

Type: **not specified**

Update of combined HERAPDF fit

Tuesday, April 28, 2009 9:00 AM (20 minutes)

Primary author: RADESCU, Voica (DESY)

Presenter: RADESCU, Voica (DESY)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 87

Type: **not specified**

MSTW PDF 2008

Tuesday, April 28, 2009 9:25 AM (20 minutes)

Primary author: THORNE, Robert (UCL)

Presenter: THORNE, Robert (UCL)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: **88**

Type: **not specified**

Overview of CTEQ activities

Tuesday, April 28, 2009 9:50 AM (20 minutes)

Primary author: NADOLSKY, Pavel (Southern Methodist University)

Presenter: NADOLSKY, Pavel (Southern Methodist University)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 89

Type: **not specified**

Precision measurement and combined global analysis of PDF including Pt resummation theory and data

Tuesday, April 28, 2009 10:15 AM (20 minutes)

Primary author: LAI, Hung-Liang (Taipei Municipal University of Education)

Presenter: LAI, Hung-Liang (Taipei Municipal University of Education)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 90

Type: **not specified**

NNPDF2.0: Towards a global neural network PDF analysis

Tuesday, April 28, 2009 11:15 AM (18 minutes)

Primary author: UBIALI, Maria (University of Edinburgh)

Presenter: UBIALI, Maria (University of Edinburgh)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 91

Type: **not specified**

Unbiased determination of the strangeness content of the nucleon

Tuesday, April 28, 2009 11:38 AM (10 minutes)

Primary author: ROJO, Juan (INFN Sezione di Milano)

Presenter: ROJO, Juan (INFN Sezione di Milano)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 92

Type: **not specified**

Determination of strange sea distributions from nuN DIS

Tuesday, April 28, 2009 12:13 PM (18 minutes)

Primary author: ALEKHIN, Serguei (State Res.Center of Russian Feder. Inst.f.High Energy Phys. (IFVE))

Presenter: ALEKHIN, Serguei (State Res.Center of Russian Feder. Inst.f.High Energy Phys. (IFVE))

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 93

Type: **not specified**

EPS09 - Global NLO analysis of nuclear PDFs

Tuesday, April 28, 2009 12:35 PM (18 minutes)

Primary author: PAUKKUNEN, Hannu (Jyväskylä University, Finland)

Presenter: PAUKKUNEN, Hannu (Jyväskylä University, Finland)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 94

Type: **not specified**

Inclusive jets and exclusive central particle production at the Tevatron

Tuesday, April 28, 2009 3:00 PM (18 minutes)

Primary author: MCNULTY, Ronan (UNIVERSITY COLLEGE DUBLIN)

Presenter: MCNULTY, Ronan (UNIVERSITY COLLEGE DUBLIN)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 95

Type: **not specified**

Measurements from Tevatron on p roduction of W, Z, Drell-Yan, and constraints on PDFs

Tuesday, April 28, 2009 3:22 PM (18 minutes)

Primary author: FOX, Harald (Lancaster University)

Presenter: FOX, Harald (Lancaster University)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 96

Type: **not specified**

Study of W and Z production in LHC

Tuesday, April 28, 2009 3:44 PM (18 minutes)

Primary author: Ms CEPEDA, Maria (C. I. E. M. A. T. (Madrid))

Presenter: Ms CEPEDA, Maria (C. I. E. M. A. T. (Madrid))

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 97

Type: **not specified**

Phenomenology of small-x resummation

Tuesday, April 28, 2009 11:51 AM (18 minutes)

Primary author: ROJO, Juan (INFN Sezione di Milano)

Presenter: ROJO, Juan (INFN Sezione di Milano)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 98

Type: **not specified**

Towards higher precision PDFs at large x

Wednesday, April 29, 2009 9:00 AM (20 minutes)

Primary author: KEPPEL, Cynthia (Hampton U. / Jefferson Lab)

Presenter: KEPPEL, Cynthia (Hampton U. / Jefferson Lab)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: 99

Type: **not specified**

CCFM evolution with unitarity bound

Wednesday, April 29, 2009 9:25 AM (20 minutes)

Primary author: AVSAR, Emil (CEA-Saclay/Ipht)

Presenter: AVSAR, Emil (CEA-Saclay/Ipht)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: **100**Type: **not specified**

Pt symmetry and renormalization in Pomeron model

Wednesday, April 29, 2009 9:50 AM (20 minutes)

Primary author: VACCA, Gian Paolo (INFN - Bologna)

Presenter: VACCA, Gian Paolo (INFN - Bologna)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: **101**Type: **not specified**

Local two-photon couplings and the $J=0$ fixed pole in real and virtual Compton scattering

Wednesday, April 29, 2009 10:15 AM (20 minutes)

Primary author: LLANES ESTRADA, Felipe Jose (U. Complutense)

Presenter: LLANES ESTRADA, Felipe Jose (U. Complutense)

Session Classification: Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: **102**Type: **not specified**

Probing low x with LHCb data

*Tuesday, April 28, 2009 5:15 PM (20 minutes)***Primary author:** ANDERSON, Jonathan (Universitaet Zuerich)**Presenter:** ANDERSON, Jonathan (Universitaet Zuerich)**Session Classification:** Joint Session: Diffraction and Vector Mesons + Structure Functions and Low-x**Track Classification:** Structure Functions and Low-x

Contribution ID: 103

Type: **not specified**

A global analysis of DIS with running coupling BK evolution

Tuesday, April 28, 2009 5:40 PM (20 minutes)

Primary author: LOPEZ ALBACETE, Javier (Universidad Nacional Cordoba)

Presenter: LOPEZ ALBACETE, Javier (Universidad Nacional Cordoba)

Session Classification: Joint Session: Diffraction and Vector Mesons + Structure Functions and Low-x

Track Classification: Structure Functions and Low-x

Contribution ID: **104**Type: **not specified**

Accommodating diffraction in small-x evolution in the CGC

Tuesday, April 28, 2009 6:05 PM (20 minutes)

Primary author: WEIGERT, Heribert (University of Oulu)

Presenter: WEIGERT, Heribert (University of Oulu)

Session Classification: Joint Session: Diffraction and Vector Mesons + Structure Functions and Low-x

Track Classification: Diffraction and Vector Mesons

Contribution ID: 105

Type: **not specified**

Nuclear enhancement and suppression of diffractive structure functions at high energies

Tuesday, April 28, 2009 6:30 PM (20 minutes)

Primary author: LAPPI, Tuomas (CEA/Saclay)

Presenter: LAPPI, Tuomas (CEA/Saclay)

Session Classification: Joint Session: Diffraction and Vector Mesons + Structure Functions and Low-x

Track Classification: Diffraction and Vector Mesons

Contribution ID: **106**

Type: **not specified**

A General Search for New Phenomena at HERA

Tuesday, April 28, 2009 6:35 PM (25 minutes)

Primary author: BRANDT, Gerhard (DESY)

Presenter: BRANDT, Gerhard (DESY)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 107

Type: **not specified**

Non-Singlet spin structure function in the valon model

Tuesday, April 28, 2009 3:00 PM (25 minutes)

Primary author: Dr TAGHAVI, Fatemeh (Institute for Studies in Theoretical Physics and Mathematics, Tehran, Iran)

Presenter: Dr TAGHAVI, Fatemeh (Institute for Studies in Theoretical Physics and Mathematics, Tehran, Iran)

Session Classification: Spin Physics

Contribution ID: **108**

Type: **not specified**

Lambda longitudinal polarization dependence on the target polarization in SIDIS

Monday, April 27, 2009 5:35 PM (20 minutes)

Primary author: Dr KOTZINIAN, Aram

Presenter: Dr KOTZINIAN, Aram

Session Classification: Spin Physics

Contribution ID: **109**

Type: **not specified**

Transverse lambda polarization at LHC

Monday, April 27, 2009 5:55 PM (20 minutes)

Primary author: BOER, Daniel

Presenter: BOER, Daniel

Session Classification: Spin Physics

Contribution ID: **110**

Type: **not specified**

Zeus inclusive diffractive data

Monday, April 27, 2009 9:00 AM (25 minutes)

Primary author: RUSPA, Marta (Univ Piemonte Orientale)

Presenter: RUSPA, Marta (Univ Piemonte Orientale)

Session Classification: Diffraction and Vector Mesons

Contribution ID: **111**

Type: **not specified**

First measurement of FLD

Monday, April 27, 2009 9:25 AM (20 minutes)

Primary author: SALEK, David (Charles University Prague)

Presenter: SALEK, David (Charles University Prague)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 112

Type: **not specified**

Model studies on chiral even and chiral odd GPDs

Monday, April 27, 2009 11:35 AM (20 minutes)

Primary author: Dr MUKHERJEE, Asmita

Presenter: Dr MUKHERJEE, Asmita

Session Classification: Spin Physics

Contribution ID: 113

Type: **not specified**

Model studies on chiral even and chiral odd GPDs

Contribution ID: 114

Type: **not specified**

Precise dipole model analyses of diffractive DIS

Monday, April 27, 2009 9:45 AM (20 minutes)

Primary author: LUSZCZAK, Agnieszka (PAN Krakow)

Presenter: LUSZCZAK, Agnieszka (PAN Krakow)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 115

Type: **not specified**

Deeply Virtual Compton Scattering at HERA and perspectives at CERN.

Tuesday, April 28, 2009 9:40 AM (20 minutes)

Primary author: Dr SCHOEFFEL, Laurent

Presenter: Dr SCHOEFFEL, Laurent

Session Classification: Spin Physics

Contribution ID: 116

Type: **not specified**

Beauty photoproduction through decays to muons and jets (H1)

Monday, April 27, 2009 9:45 AM (15 minutes)

The photoproduction of beauty quarks in ep collisions has been measured using a data sample of 170 pb⁻¹ collected with the H1 detector at HERA-II in the years 2006 and 2007. Beauty photoproduction events are investigated with two jets and a muon in the final state. Visible cross sections are measured differentially in the transverse momenta of the highest energy jet and the muon, in the pseudorapidity of the muon and in the photon's momentum fraction x_{γ}^{obs} entering the hard interaction. The measurements are found to be well described by QCD calculations at NLO.

Primary author: LIST, Benno (University of Hamburg)

Presenter: LIST, Benno (University of Hamburg)

Session Classification: Heavy Flavours

Contribution ID: 117

Type: **not specified**

Uncertainties in polarized parton densities

Monday, April 27, 2009 9:25 AM (25 minutes)

Primary author: Dr STRATMANN, Marco

Presenter: Dr STRATMANN, Marco

Session Classification: Spin Physics

Contribution ID: **118**Type: **not specified**

New developments in DIS analysis of diffractive data

Monday, April 27, 2009 10:05 AM (20 minutes)

Primary author: SCHOEFFEL, Laurent (IRFU-SPP, CEA Saclay)

Presenter: SCHOEFFEL, Laurent (IRFU-SPP, CEA Saclay)

Session Classification: Diffraction and Vector Mesons

Contribution ID: **119**

Type: **not specified**

Discussion on data combination

Monday, April 27, 2009 10:25 AM (20 minutes)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 120

Type: **not specified**

Beauty photoproduction at ZEUS

Monday, April 27, 2009 9:25 AM (15 minutes)

Photoproduction of b quarks in dijet events has been measured with the ZEUS detector at HERA. The large mass of the beauty quark and its long lifetime were exploited in order to separate the beauty signal from background, making use of the microvertex detector to determine the distance of the beauty decay products from the primary event vertex. Differential cross sections were measured and compared to next-to-leading order QCD predictions.

Primary author: MIGLIORANZI, Silvia (CERN)

Presenter: MIGLIORANZI, Silvia (CERN)

Session Classification: Heavy Flavours

Contribution ID: 121

Type: **not specified**

QCD fits and factorisation tests

Monday, April 27, 2009 11:15 AM (20 minutes)

Primary author: SLOMINSKI, Wojtek (Jagellonian University, Krakow)

Presenter: SLOMINSKI, Wojtek (Jagellonian University, Krakow)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 122

Type: **not specified**

Theoretical update of twist-3 single-spin asymmetry in semi-inclusive DIS

Tuesday, April 28, 2009 5:15 PM (25 minutes)

Primary author: Dr TANAKA, Kazuhiro

Presenter: Dr TANAKA, Kazuhiro

Session Classification: Spin Physics

Contribution ID: 123

Type: **not specified**

B production at CMS

Monday, April 27, 2009 10:25 AM (15 minutes)

We present expected sensitivities for b hadron production in pp collisions using the CMS detector at the LHC.

Primary author: ANDREA, Jeremy (ULP/IPHC (Strasbourg))

Presenter: ANDREA, Jeremy (ULP/IPHC (Strasbourg))

Session Classification: Heavy Flavours

Contribution ID: 124

Type: **not specified**

Dijets in photoproduction and factorisation tests

Monday, April 27, 2009 11:35 AM (20 minutes)

Primary author: PAUL NEWMAN, Paul Newman (University of Birmingham)

Presenter: PAUL NEWMAN, Paul Newman (University of Birmingham)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 125

Type: **not specified**

Leading protons at HERA 2

Monday, April 27, 2009 11:55 AM (20 minutes)

Primary author: KAPISHIN, Mikhail (JINR, Dubna)

Presenter: KAPISHIN, Mikhail (JINR, Dubna)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 126

Type: **not specified**

Theoretical status of J/psi production at HERA

Monday, April 27, 2009 11:15 AM (20 minutes)

In this talk, I review the photo-production of J/psi states at HERA. In the framework of NRQCD, I present the various components expected to contribute to the J/psi yield at HERA, and their importance in different regions of the phase space. I compare the predicted differential cross sections with the data collected by the ZEUS and H1 collaborations. I then move on the polarization observables and present the brand-new color-singlet prediction at NLO accuracy in α_s , in view of the recent measurement performed by the ZEUS collaboration. Based on these results, I argue that the sole color-singlet yield fails to explain the J/psi distributions measured at HERA.

Primary author: ARTOISENET, Pierre (Univerite catholique de Louvain)

Presenter: ARTOISENET, Pierre (Univerite catholique de Louvain)

Session Classification: Heavy Flavours

Contribution ID: 127

Type: **not specified**

Measurement of J/psi helicity distributions in inelastic photoproduction at ZEUS

Monday, April 27, 2009 11:40 AM (15 minutes)

The decay angular distributions for inelastic photoproduction of J/psi mesons have been measured with the ZEUS detector at HERA, using an integrated luminosity of 468 pb⁻¹. J/psi mesons were identified using their decays into muons. The polar and azimuthal distributions of the mu⁺ in the J/psi rest frame have been measured as a function of p_T and as function of z, where p_T is the transverse momentum of the J/psi in the laboratory frame and z is the the fraction of the incident photon energy carried by the J/psi in the proton rest frame. The experimental results were compared to the theoretical predictions at leading and next-to-leading order.

Primary author: BERTOLIN, Alessandro (Padova)

Presenter: BERTOLIN, Alessandro (Padova)

Session Classification: Heavy Flavours

Contribution ID: 128

Type: **not specified**

Spectator model for TMDs

Wednesday, April 29, 2009 11:15 AM (25 minutes)

Primary author: Dr CONTI, Francesco

Presenter: Dr CONTI, Francesco

Session Classification: Spin Physics

Contribution ID: 129

Type: **not specified**

Production and polarization of Upsilon mesons in the k_T -factorization approach

Monday, April 27, 2009 12:00 PM (20 minutes)

In the framework of the k_T -factorization approach, the production and polarization of the Upsilon mesons at the Tevatron is considered and a comparison of the calculated double differential distributions and the spin alignment parameter α with the D0 experimental data is shown. We argue that measuring the double differential cross section and the polarization of the upsilonium states can serve as crucial tests for discriminating two competing theoretical approaches to the parton dynamics in QCD.

Primary author: ZOTOV, Nikolay (SINP, Moscow State University)

Presenter: ZOTOV, Nikolay (SINP, Moscow State University)

Session Classification: Heavy Flavours

Contribution ID: 130

Type: **not specified**

Heavy flavor contributions to transversity at 2- and 3 loops

Wednesday, April 29, 2009 12:30 PM (20 minutes)

Primary author: TOEDTLI, Beat

Presenter: TOEDTLI, Beat

Session Classification: Spin Physics

Contribution ID: 131

Type: **not specified**

J/psi polarization from fixed-target to collider energies

Monday, April 27, 2009 12:25 PM (20 minutes)

The determination of the magnitude and “sign” of the J/psi polarization crucially depends on the reference frame used in the analysis of the data and a full understanding of the polarization phenomenon requires measurements reported in two “orthogonal” frames, such as the Collins-Soper and helicity frames. Moreover, the azimuthal anisotropy can be, in certain frames, as significant as the polar one. The seemingly contradictory J/psi polarization results reported by E866, HERA-B and CDF can be consistently described assuming that the most suitable axis for the measurement is along the direction of the relative motion of the colliding partons, and that directly produced J/psi’s are longitudinally polarized at low momentum and transversely polarized at high momentum. We make specific predictions that can be tested on existing CDF data and by LHC measurements, which should show a full transverse polarization for direct J/psi mesons of $p_T > 25 \text{ GeV}/c$.

Primary author: FACCIOLI, Pietro (Dipartimento di Fisica - Universita degli Studi di Bologna)

Presenter: FACCIOLI, Pietro (Dipartimento di Fisica - Universita degli Studi di Bologna)

Session Classification: Heavy Flavours

Contribution ID: 132

Type: **not specified**

Measurement of Λ -onium polarization in D0

We present a study of the polarization of prompt J/Ψ using a 1.3 fb⁻¹ data sample collected by the D0 experiment in 2002–2006 during Run II of the Fermilab Tevatron Collider. The polar helicity angle distribution was compared in different p_T and rapidity intervals with the predicted distribution using the polarization parameter $\alpha = (\sigma_T - 2\sigma_L)/(\sigma_T + 2\sigma_L)$ where σ_T and σ_L are the transverse and longitudinal polarized components of the cross section.

Primary author: KUZMIN, Valentin

Presenter: KUZMIN, Valentin

Contribution ID: 133

Type: **not specified**

Theory update on the hadrons X(3872), X(3876), Z(4330) and related ones

Monday, April 27, 2009 3:00 PM (15 minutes)

I will review the main debated issues on the nature of the new hadrons. Both the molecular and four-quark pictures are being challenged by data and the field still presents several open questions.

Primary author: POLOSA, Antonio (INFN Roma 1 "La Sapienza")

Presenter: POLOSA, Antonio (INFN Roma 1 "La Sapienza")

Session Classification: Heavy Flavours

Contribution ID: 134

Type: **not specified**

Properties of exotic charmonium-like mesons at CDF

Monday, April 27, 2009 3:20 PM (15 minutes)

CDF reports the recent evidence for a new narrow resonance, $Y(4140)$, decaying to $J/\psi \phi$ final state, and reconstructed using 2.7 fb^{-1} of exclusive $B^{+-} \rightarrow J/\psi \phi K$ decays. Using the world's largest sample of $X(3872) \rightarrow J/\psi \pi \pi$ decays, a study on the $X(3872)$ mass and width aimed at testing the internal composition of this state is also described. This lead to the most precise $X(3872)$ mass measurement to date and disfavors the hypothesis of the $X(3872)$ being composed of two resonances closely spaced in mass.

Primary author: YI, Kai (Physics and Astronomy Department-University of Iowa)

Presenter: YI, Kai (Physics and Astronomy Department-University of Iowa)

Session Classification: Heavy Flavours

Contribution ID: 135

Type: **not specified**

New charmonium-like states at B factories

Monday, April 27, 2009 3:40 PM (15 minutes)

Since the unexpected discovery of the X(3872) in 2003 the list of new charmonium-like states observed at B-factories keeps growing. BaBar and Belle have measured many properties, like masses, widths and quantum numbers of these states. The recent measurements are presented in this talk. Despite the progress on experimental and theoretical side a consistent picture explaining all states has not emerged.

Primary author: KUHR, Thomas (University of Karlsruhe)

Presenter: KUHR, Thomas (University of Karlsruhe)

Session Classification: Heavy Flavours

Contribution ID: 136

Type: **not specified**

Recent results on $\psi(3770)$ and open charm from BESII and CLEO-c

Monday, April 27, 2009 4:00 PM (20 minutes)

We present the latest results on the production and decays of $\psi(3770)$ and decays of open charm from BESII and CLEO-c experiments. BES observed anomalous line shape of cross sections for $e^+e^- \rightarrow$ hadrons between 3.65–3.872 GeV and also measured line shapes of $D\bar{D}$ -bar production and the ratio of the production rates of D^+D^- and $D^0\bar{D}^0$ -bar at $\psi(3770)$ resonance. CLEO-c measured D_s decay constants from 600 pb⁻¹ data near 4.17 GeV and measured absolute branching fractions for exclusive D_s semileptonic decays.

Primary author: CHEN, Jiangchuan (IHEP, Beijing)

Presenter: CHEN, Jiangchuan (IHEP, Beijing)

Session Classification: Heavy Flavours

Contribution ID: 137

Type: **not specified**

Recent bottomonium results from BaBar

Monday, April 27, 2009 4:25 PM (15 minutes)

I will present recent results in bottomonium physics from BaBar, including the first observation of the $\eta_b(1S)$ from $Upsilon(3S) \rightarrow \gamma \eta_b(1S)$ decay and the confirmation of this discovery in $Upsilon(2S) \rightarrow \gamma \eta_b(1S)$. I will also summarize BaBar results on the precision scan above the $Upsilon(4S)$, the search for a light Higgs, and the search for Lepton Flavor Violation in $Upsilon(nS)$ decays.

Primary author: ZIEGLER, Veronique (SLAC)

Presenter: ZIEGLER, Veronique (SLAC)

Session Classification: Heavy Flavours

Contribution ID: 138

Type: **not specified**

Open charm hadroproduction and the charm content of the proton

Monday, April 27, 2009 5:15 PM (25 minutes)

We advocate charmed-hadron inclusive hadroproduction as a laboratory to probe intrinsic charm (IC) inside the colliding hadrons. Working at next-to-leading order in the general-mass variable-flavor-number scheme endowed with non-perturbative fragmentation functions recently extracted from a global fit to e^+e^- annihilation data from KEKB, CESR, and LEP1, we first assess the sensitivity of Tevatron data of D^0 , D^+ , and D^{*+} inclusive production to the IC parameterizations provided by Pumplin et al. We then argue that similar data from pp collisions at RHIC would have the potential to discriminate between different IC models provided they reach out to sufficiently large values of transverse momentum.

Primary author: KNIEHL, Bernd (University of Hamburg)

Presenter: KNIEHL, Bernd (University of Hamburg)

Session Classification: Heavy Flavours

Contribution ID: 139

Type: **not specified**

Heavy-flavor results from PHENIX at RHIC

Monday, April 27, 2009 5:45 PM (15 minutes)

Recent PHENIX results on heavy flavor production in p+p and d+Au collisions at $\sqrt{s_{NN}} = 200$ GeV will be presented. Quarkonia results include measured yields of J/psi and psi' as well as J/psi polarization versus transverse momentum in p+p collisions. High statistics J/psi yields versus rapidity and transverse momentum measured in d+Au collisions and their constraints on cold nuclear matter effects will also be discussed. Open heavy flavor results include measurements at mid rapidity of the ratio of single electrons from semi-leptonic decays of b and c quarks and their comparison to FONNL calculations.

Primary author: GRANIER DE CASSAGNAC, Raphael (CNRS/IN2P3)

Presenter: GRANIER DE CASSAGNAC, Raphael (CNRS/IN2P3)

Session Classification: Heavy Flavours

Contribution ID: 140

Type: **not specified**

STAR heavy-flavor results

Monday, April 27, 2009 6:05 PM (15 minutes)

We present a summary of the heavy flavor results from the STAR experiment. The study of heavy quark production in heavy ion collisions has been of interest in recent years because i) Heavy flavor decay electron production has been observed to be suppressed as much as light hadrons in the medium in contradiction with theoretical expectations and ii) the production of heavy quark bound states shows similar suppression as seen at lower energies, prompting reevaluations of the production mechanism of quarkonium. We discuss the latest results from STAR on these two topics.

Primary author: BIELCIK, Jaroslav (NPI, Prague)

Presenter: BIELCIK, Jaroslav (NPI, Prague)

Session Classification: Heavy Flavours

Contribution ID: 141

Type: **not specified**

ALICE potential for heavy-flavour physics

Monday, April 27, 2009 6:25 PM (15 minutes)

The ALICE experiment, currently in the commissioning phase, will study nucleus–nucleus and proton–proton collisions at the CERN Large Hadron Collider (LHC). We review the ALICE heavy-flavour physics program and present a selection of results on the expected performance.

Primary author: BRUNO, Giuseppe (University and INFN, Bari, Italy)

Presenter: BRUNO, Giuseppe (University and INFN, Bari, Italy)

Session Classification: Heavy Flavours

Contribution ID: 142

Type: **not specified**

Charm fragmentation and excited charm and charm-strange mesons at ZEUS

Monday, April 27, 2009 6:45 PM (15 minutes)

The charm fragmentation function has been measured in D photoproduction with the ZEUS detector at HERA. The fragmentation function has been measured versus z , the ratio of $E+p_{\text{parallel}}$ for the D meson and that for the associated jet, where E is the energy and p_{parallel} the longitudinal momentum relative to the jet axis. The measured function is compared to different fragmentation models incorporated in leading-logarithm Monte Carlo simulations and a next-to-leading-order calculation. The results are similar to those from e^+e^- experiments.

In addition, the production of excited charm, $D_1(2420)^0$ and $D_2^{*}(2460)^0$, and charm-strange, $D_{s1}(2536)^{+/-}$, mesons has been measured with the ZEUS detector at HERA. The measured yields were converted to the rates of c quarks hadronising as a given excited D meson. The results are compared with those measured previously and with theoretical expectations.

Primary author: GLADILIN, Leonid (Moscow State University)

Presenter: GLADILIN, Leonid (Moscow State University)

Session Classification: Heavy Flavours

Contribution ID: 143

Type: **not specified**

Higher-order soft corrections to tt-bar production

Tuesday, April 28, 2009 11:15 AM (20 minutes)

We present new predictions for the total cross section of $t\bar{t}$ at the Tevatron and the LHC through next-to-next-to-leading order. The results are based on the numerically dominant soft corrections. They are exact in all logarithmically enhanced terms near threshold, include the Coulomb corrections at two loops and exact scale dependence. We investigate the scale dependence as well as the sensitivity on the parton luminosity.

Primary author: LANGENFELD, Ulrich (Zeuthen)

Presenter: LANGENFELD, Ulrich (Zeuthen)

Session Classification: Heavy Flavours

Contribution ID: 144

Type: **not specified**

Two-loop soft anomalous dimensions in heavy quark production

I discuss heavy quark production near threshold. I present results for the two-loop soft anomalous dimension, which is derived from dimensionally regularized eikonal diagrams with heavy quarks and controls soft-gluon emission in heavy quark production. Detailed results for the UV poles of the eikonal integrals will be shown. The construction of the soft anomalous dimension at two-loops allows soft-gluon resummations at NNLL accuracy.

Primary author: KIDONAKIS, Nikolaos (Kennesaw State University)

Presenter: KIDONAKIS, Nikolaos (Kennesaw State University)

Contribution ID: 145

Type: **not specified**

Leading baryons at ZEUS

Monday, April 27, 2009 12:15 PM (20 minutes)

Primary author: BRUNI, Graziano (INFN Bologna)

Presenter: BRUNI, Graziano (INFN Bologna)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 146

Type: **not specified**

Leading neutrons at HERA 2

Monday, April 27, 2009 12:35 PM (20 minutes)

Primary author: DODONOV, Vitaliy (MPI Heidelberg)

Presenter: DODONOV, Vitaliy (MPI Heidelberg)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 147

Type: **not specified**

Recent measurements of top quark production cross section at CDF

Tuesday, April 28, 2009 11:40 AM (20 minutes)

With the large data samples collected at the Tevatron, top quark physics has entered the realm of precision. We present here the latest results on top pair production cross section at CDF, which uncertainties are comparable to those of the theory prediction. The exciting results on the challenging channel of the electroweak production will also be shown.

Primary author: GOMEZ, Gervasio (Instituto de Física de Cantabria)

Presenter: GOMEZ, Gervasio (Instituto de Física de Cantabria)

Session Classification: Heavy Flavours

Contribution ID: 148

Type: **not specified**

Diffractive W, Z, dijet and jet-gap-jet production in CDF

Monday, April 27, 2009 3:00 PM (25 minutes)

Primary author: MESROPIAN, Christina (Rockefeller University, New York)

Presenter: MESROPIAN, Christina (Rockefeller University, New York)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 149

Type: **not specified**

Observation of hard diffraction at LHC (CMS)

Monday, April 27, 2009 3:25 PM (25 minutes)

Primary author: OBERTINO, Maria Margherita (University of Torino, Italy)

Presenter: OBERTINO, Maria Margherita (University of Torino, Italy)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 150

Type: **not specified**

CMS capabilities with CASTOR and ZDC detectors

Monday, April 27, 2009 3:50 PM (25 minutes)

Primary author: ROLAND, Benoit (Universiteit Antwerpen, Belgium)

Presenter: ROLAND, Benoit (Universiteit Antwerpen, Belgium)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 151

Type: **not specified**

ATLAS preparations for precise B-decays measurements sensitive to BSM phenomena

Tuesday, April 28, 2009 12:30 PM (20 minutes)

The LHC experiments will perform sensitive tests of physics phenomena beyond the Standard Model (BSM). Investigation of decays of beauty hadrons represents an alternative approach in addition to direct BSM searches. The ATLAS efforts concentrate on those B decays that can be selected already at the first and second trigger levels.

The most favorable trigger signature will be for B hadrons decaying to $J/\psi \rightarrow \mu\mu$. Using this trigger ATLAS will be able to accommodate unprecedentedly high statistics in so called Golden LHC channel: $B_s \rightarrow J/\psi \phi$ allowing a measurement of the CP violation effect, where BSM models predicted values are significantly higher than SM.

In the rare decays sector, these are purely di-muon decays, and families of semi-muonic exclusive channels. Already with 1 fb^{-1} the ATLAS sensitivity in the di-muon channels will be comparable to today worlds statistics. The strategy is to carry on the di-muon channel programme up to nominal LHC luminosity. In particular in each of these two experiments the $B_s \rightarrow \mu\mu$ signal with 4.3 sigma significance can be measured combining low luminosity samples with those of one year of LHC operation at a luminosity of $10^{34} \text{ cm}^{-2} \text{ s}^{-1}$. This precision allows excluding or confirming the SM unambiguously.

Primary author: TOMS, Konstantin (University of New Mexico)

Presenter: TOMS, Konstantin (University of New Mexico)

Session Classification: Heavy Flavours

Contribution ID: 152

Type: **not specified**

Diffractive proton dissociation into three jets at LHC

Monday, April 27, 2009 4:15 PM (20 minutes)

Primary author: IVANOV, Dmitry (Sobolev Institute, Novosibirsk)

Presenter: IVANOV, Dmitry (Sobolev Institute, Novosibirsk)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 153

Type: **not specified**

Top Production Cross Sections at D0

Tuesday, April 28, 2009 12:05 PM (20 minutes)

We report on measurements of the $t\bar{t}$ production cross section at a center-of-mass energy of 1.96 TeV at the D0 experiment during Run II of the Fermilab Tevatron collider. We use candidate events in lepton+jets and dilepton final states. In the most sensitive channel (lepton+jets channel), a neural network algorithm that uses lifetime information to identify b-quark jets is used to distinguish signal from background processes. We also present measurements of single top quark production at D0 using several multivariate techniques to separate signal from background: boosted decision trees, bayesian neural networks and matrix elements.

Primary author: KVITA, Jiri (Faculty of Mathematics and Physics, Charles University)

Presenter: KVITA, Jiri (Faculty of Mathematics and Physics, Charles University)

Session Classification: Heavy Flavours

Contribution ID: 154

Type: **not specified**

ATLAS Forward physics and diffractive program

Monday, April 27, 2009 5:15 PM (25 minutes)

Primary author: PINFOLD, James (University of Alberta, Canada)

Presenter: PINFOLD, James (University of Alberta, Canada)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 155

Type: **not specified**

Exclusive diffraction using the rapidity gap method in CDF

Monday, April 27, 2009 5:40 PM (20 minutes)

Primary author: MESROPIAN, Christina (Rockefeller University, New York)

Presenter: MESROPIAN, Christina (Rockefeller University, New York)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 156

Type: **not specified**

FP420 and 240 diffractive projects

Monday, April 27, 2009 6:00 PM (20 minutes)

Primary author: PIOTRZKOWSKI, Krzysztof (University of Louvain, Belgium)

Presenter: PIOTRZKOWSKI, Krzysztof (University of Louvain, Belgium)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 157

Type: **not specified**

Central exclusive production

Monday, April 27, 2009 6:20 PM (20 minutes)

Primary author: KHOZE, Valeri (IPPP, Durham, UK)

Presenter: KHOZE, Valeri (IPPP, Durham, UK)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 158

Type: **not specified**

Variable-flavour-number scheme in the analysis of heavy-quark electro-production data

Tuesday, April 28, 2009 3:00 PM (15 minutes)

We perform QCD fit of parton distribution functions (PDFs) based on the existing inclusive DIS data supplemented by the Drell-Yan ones. The DIS heavy-quark contribution is calculated in the variable-flavour-number (VFN) scheme with the heavy-quark PDFs generated from ones of the fixed-flavour-number (FFN) scheme using the matching conditions by Buza-Matiounine-Smith-van Neerven. Comparison to the variant of analysis within the FFN scheme is performed. Prediction of the two variants of fit are compared to the heavy-quark electro-production data by the HERA experiments. Applications for the LHC phenomenology are considered.

Primary author: ALEKHIN, Serguei (State Res.Center of Russian Feder. Inst.f.High Energy Phys. (IFVE))

Presenter: ALEKHIN, Serguei (State Res.Center of Russian Feder. Inst.f.High Energy Phys. (IFVE))

Session Classification: Heavy Flavours

Contribution ID: 159

Type: **not specified**

Rapidity gap survival in central exclusive diffraction

Monday, April 27, 2009 6:40 PM (20 minutes)

Primary author: WEISS, Christian (Jefferson Lab, USA)

Presenter: WEISS, Christian (Jefferson Lab, USA)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 160

Type: **not specified**

Moments of the 3-loop corrections to the heavy flavor contribution to $F_2(x, Q^2)$ for $Q^2 \gg m^2$

Tuesday, April 28, 2009 3:20 PM (15 minutes)

Precision tests of QCD based on deeply inelastic scattering data require a precise knowledge of the heavy flavor contributions to the structure functions. We report on recent calculations of moments of the heavy flavor Wilson coefficients at $O(\alpha_s^3)$ contributing to F_2^c . Our results are valid in the region $Q^2/m_c^2 > 10 \text{ GeV}^2$ and derive from the use of the technique of massive operator matrix elements.

Primary author: KLEIN, Sebastian (Zeuthen)

Presenter: KLEIN, Sebastian (Zeuthen)

Session Classification: Heavy Flavours

Contribution ID: 161

Type: **not specified**

The Pomeron trajectory based on elastic rho photoproduction

Tuesday, April 28, 2009 9:00 AM (20 minutes)

Primary author: LIST, Benno (Hamburg university, Germany)

Presenter: LIST, Benno (Hamburg university, Germany)

Session Classification: Diffraction and Vector Mesons

Contribution ID: **162**Type: **not specified**

Status and early physics program of TOTEM

Tuesday, April 28, 2009 9:20 AM (25 minutes)

Primary author: NIEWIADOMSKI, Hubert (Penn State University, USA)

Presenter: NIEWIADOMSKI, Hubert (Penn State University, USA)

Session Classification: Diffraction and Vector Mesons

Contribution ID: **163**

Type: **not specified**

Forward detectors in ATLAS

Tuesday, April 28, 2009 9:45 AM (20 minutes)

Primary author: FABBRI, Laura (INFN Bologna)

Presenter: FABBRI, Laura (INFN Bologna)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 164

Type: **not specified**

Regge phenomenology with the Quark Gluon String model

Tuesday, April 28, 2009 10:05 AM (20 minutes)

Primary author: MILSTEAD, David (Stockholm university, Sweden)

Presenter: MILSTEAD, David (Stockholm university, Sweden)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 165

Type: **not specified**

Double diffraction at Tevatron and LHC

Tuesday, April 28, 2009 10:25 AM (20 minutes)

Primary author: CHEVALLIER, Florent (IRFU-SPP, CEA Saclay)

Presenter: CHEVALLIER, Florent (IRFU-SPP, CEA Saclay)

Session Classification: Diffraction and Vector Mesons

Contribution ID: **166**

Type: **not specified**

Talk cancelled

Tuesday, April 28, 2009 3:00 PM (20 minutes)

Primary author: POLYAKOV, Maxim

Session Classification: Diffraction and Vector Mesons

Contribution ID: 167

Type: **not specified**

Extraction of $F_2^c(x, Q^2)$ from D^* cross sections at H1

Tuesday, April 28, 2009 3:40 PM (15 minutes)

The charm contribution to the proton structure, $F_2^c(x, Q^2)$, is determined using the inclusive cross sections of D^{*+} meson production in deep-inelastic scattering at HERA. $F_2^c(x, Q^2)$ is extracted from the visible D^{*+} cross sections in the range $5 < Q^2 < 1000 \text{ GeV}^2$, $0.02 < y < 0.7$, $p_T(D) > 1.5 \text{ GeV}$ and $|\eta(D)| < 1.5$ which were measured with the H1 experiment in the HERA-II running period corresponding to an integrated luminosity of 347 pb^{-1} . The charm contribution to the proton structure, $F_2^c(x, Q^2)$, is determined by extrapolating the visible charm cross section to the full phase space using a Next-to-Leading order QCD calculation based on DGLAP evolution and a Leading order Monte-Carlo program including parton showers based on CCFM evolution. The extrapolation uncertainties are studied varying the theory parameters like charm mass, renormalisation and factorisation scales as well as the fragmentation model.

Primary author: JUNG, Andreas (DESY)**Presenter:** JUNG, Andreas (DESY)**Session Classification:** Heavy Flavours

Contribution ID: 168

Type: **not specified**

Charm production in DIS and the measurement of F_{2cc} at ZEUS

Tuesday, April 28, 2009 4:00 PM (15 minutes)

Charm production has been measured in the deep inelastic scattering regime with the ZEUS detector at HERA. Charm was reconstructed by identifying charmed mesons (D^* , D^+ , D^0) in the final state, or through its decay into muons. Differential cross sections were measured and compared to next-to-leading order QCD predictions. The charm contribution to the proton structure function F_2 , F_{2cc} , was extracted and compared with theoretical predictions using different parameterisations of the proton PDFs.

Primary author: ROLOFF, Philipp (Deutsches Elektronen-Synchrotron (DESY))

Presenter: ROLOFF, Philipp (Deutsches Elektronen-Synchrotron (DESY))

Session Classification: Heavy Flavours

Contribution ID: 169

Type: **not specified**

The Shuvaev transform and the skewness effect at small x

Tuesday, April 28, 2009 3:20 PM (20 minutes)

Primary author: TEUBNER, Thomas (University of Liverpool, UK)

Presenter: TEUBNER, Thomas (University of Liverpool, UK)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 170

Type: **not specified**

D*+- production at high Q2 with the H1 detector

Tuesday, April 28, 2009 4:20 PM (15 minutes)

Inclusive production of D⁺- mesons in deep inelastic scattering at HERA is studied at high photon virtualities $Q^2 > 100 \text{ GeV}^2$ for the first time with the H1 experiment. The data were collected during the years 2004-2007 and correspond to an integrated luminosity of 351 pb^{-1} . D-mesons are reconstructed in their decays $D^+ \rightarrow D^0 \pi^+$ and $D^- \rightarrow K^0 \pi^-$. The visible range for the measurement covers the pseudorapidity interval $|\eta(D)| < 1.5$, transverse momenta $p_T(D^*) > 1.5 \text{ GeV}$, and inelasticity in the scattering process $0.02 < y < 0.7$. Differential cross sections are compared to predictions from the next-to leading order calculation HVQDIS and the leading order Monte Carlo codes RAPGAP and CASCADE.

Primary author: BRINKMANN, Martin (University of Hamburg)

Presenter: BRINKMANN, Martin (University of Hamburg)

Session Classification: Heavy Flavours

Contribution ID: 171

Type: **not specified**

DVCS and the skewness effect at small x

Tuesday, April 28, 2009 3:40 PM (20 minutes)

Primary author: MUELLER, Dieter (Bochum University, Germany)

Presenter: MUELLER, Dieter (Bochum University, Germany)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 172

Type: **not specified**

Diffractive production of photons at high t

Tuesday, April 28, 2009 4:00 PM (20 minutes)

Primary author: HREUS, Tomas (ULB, Bruxelles, Belgium)

Presenter: HREUS, Tomas (ULB, Bruxelles, Belgium)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 173

Type: **not specified**

Global PDF analysis in an intermediate-mass scheme

Tuesday, April 28, 2009 5:15 PM (15 minutes)

The zero-mass (ZM) parton formalism is widely used in high-energy physics because of its simplicity and historical importance, even while the latest global QCD analyses are carried out in the more precise general-mass (GM) QCD formalism. We explore the possibility of rectifying obvious kinematical inconsistencies of the conventional implementation of the ZM formalism, while preserving the simplicity of its matrix elements. The resulting intermediate-mass (IM) scheme for perturbative QCD calculation can be regarded either as an improved ZM formulation with the correct treatment of heavy-flavor final state kinematics; or, alternatively, as a simplified GM formulation with approximate ZM hard cross sections. I discuss representative global analyses based on the IM formulation, and show that they come quite close to reproducing the more accurate GM results.

Primary author: NADOLSKY, Pavel (Southern Methodist University)

Presenter: NADOLSKY, Pavel (Southern Methodist University)

Session Classification: Heavy Flavours

Contribution ID: 174

Type: **not specified**

Heavy flavour effects in the virtual photon structure functions to NLO in QCD

Tuesday, April 28, 2009 5:35 PM (15 minutes)

We investigate the heavy quark mass effects in the virtual photon structure functions in the framework of the mass-independent renormalization group. We study a formalism in which the heavy quark mass effects are treated based on parton picture as well as on the operator product expansion, and perform the numerical evaluation of the effective virtual photon structure function to the next-leading order in QCD.

Primary author: UEMATSU, Tsuneo (Kyoto)

Presenter: UEMATSU, Tsuneo (Kyoto)

Session Classification: Heavy Flavours

Contribution ID: 175

Type: **not specified**

Pomeron Odderon interference in production of pi-pi pairs at LHC

Tuesday, April 28, 2009 4:20 PM (20 minutes)

Primary author: SCHWENNSEN, Florian (LPT Orsay, France)

Presenter: SCHWENNSEN, Florian (LPT Orsay, France)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 176

Type: **not specified**

Ultra-peripheral Au Au collisions at RHIC

Wednesday, April 29, 2009 11:15 AM (20 minutes)

Primary author: CSANAD, Mate (Eotvos University, Budapest)

Presenter: CSANAD, Mate (Eotvos University, Budapest)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 177

Type: **not specified**

F2cc and F2bb using the H1 vertex detector at HERA and the combination with the D^* method

Tuesday, April 28, 2009 5:55 PM (25 minutes)

The inclusive charm and beauty cross sections are measured in e-p and e+p collisions at HERA II in the kinematic region of photon virtuality $5 < Q^2 < 650 \text{ GeV}^2$ and Bjorken scaling variable $0.0002 < x < 0.032$. The data were collected with the H1 detector in 2006 and 2007 corresponding to an integrated luminosity of 189 pb^{-1} . The charm and beauty fractions are determined using a neural network which includes inputs, as measured by the H1 vertex detector, of the impact parameter of tracks to the primary vertex and the position of the secondary vertex. The measurements are compared with previous data, NLO and NNLO QCD predictions.

The combination of recent results on the charm contribution, F_2^c , to the inclusive proton structure function F_2 in deep inelastic scattering at HERA is presented. At the H1 experiment $F_2^c(x, Q^2)$ is determined either from the measured production cross section of D^{*+} (2010) mesons or by making use of the long lifetime of heavy quarks. The combination of both charm tag methods accounts for correlations of the systematic uncertainties of the measurements and leads to significant improvements of precision.

Primary author: THOMPSON, Paul Daniel (Birmingham)

Presenter: THOMPSON, Paul Daniel (Birmingham)

Session Classification: Heavy Flavours

Contribution ID: 178

Type: **not specified**

Timelike Compton scattering at LHC

Wednesday, April 29, 2009 11:35 AM (20 minutes)

Primary author: WAGNER, Jakub (Institute for nuclear studies)

Presenter: WAGNER, Jakub (Institute for nuclear studies)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 179

Type: **not specified**

Beauty production in in DIS and the measurement of F_{2bb} at ZEUS

Tuesday, April 28, 2009 6:25 PM (15 minutes)

Beauty production has been measured in the deep inelastic scattering regime with the ZEUS detector at HERA. Beauty was reconstructed using its semi-leptonic decay into muons. The beauty signal was separated from the background using lifetime information and the transverse momentum of the muon with respect to the axis of the jet coming from the hadronisation of the b quark, p_{Trel} . Differential cross sections were measured and compared to next-to-leading order QCD predictions. The beauty contribution to the proton structure function F_2 , F_{2bb} , was extracted and compared with theoretical predictions using different parameterisations of the proton PDFs.

Primary author: BINDI, Marcello (Universita & INFN, Bologna)

Presenter: BINDI, Marcello (Universita & INFN, Bologna)

Session Classification: Heavy Flavours

Contribution ID: **181**Type: **not specified**

Nuclear DVCS at high energies within the colour dipole approach

Wednesday, April 29, 2009 11:55 AM (20 minutes)

Primary author: MACHADO, Magno (UNIPAMPA)

Presenter: MACHADO, Magno (UNIPAMPA)

Session Classification: Diffraction and Vector Mesons

Contribution ID: 182

Type: **not specified**

Exclusive vs diffractive vector meson production in DIS at small x or off nuclei

Wednesday, April 29, 2009 12:15 PM (20 minutes)

Primary author: MARQUET, Cyrille (Columbia university, New York, USA)

Presenter: MARQUET, Cyrille (Columbia university, New York, USA)

Session Classification: Diffraction and Vector Mesons

Contribution ID: **183**

Type: **not specified**

VM production and DVCS

Tuesday, April 28, 2009 11:15 AM (25 minutes)

Primary author: LEVY, Aharon (Tel Aviv University)

Presenter: LEVY, Aharon (Tel Aviv University)

Session Classification: Joint Session: Diffraction and Vector Mesons + Spin Physics

Contribution ID: **184**Type: **not specified**

DVCS and vector meson production

Tuesday, April 28, 2009 11:40 AM (25 minutes)

Primary author: MARAGE, Pierre (Universite Libre de Bruxelles)

Presenter: MARAGE, Pierre (Universite Libre de Bruxelles)

Session Classification: Joint Session: Diffraction and Vector Mesons + Spin Physics

Contribution ID: 185

Type: **not specified**

Quark Model and the Spectroscopy of the b-baryons

Wednesday, April 29, 2009 9:00 AM (25 minutes)

I discuss several recent highly accurate theoretical predictions for masses of baryons containing the b quark, as well as an effective supersymmetry between heavy quark baryons and mesons. I also suggest some possibilities for observing exotic hadrons containing heavy quarks.

Primary author: KARLINER, Marek (Tel-Aviv)

Presenter: KARLINER, Marek (Tel-Aviv)

Session Classification: Heavy Flavours

Contribution ID: **186**

Type: **not specified**

Overview of HERMES DVCS results

Wednesday, April 29, 2009 9:20 AM (20 minutes)

Primary author: YASHCHENKO, Sergey (DESY Zeuthen, Germany)

Presenter: YASHCHENKO, Sergey (DESY Zeuthen, Germany)

Session Classification: Joint Session: Diffraction and Vector Mesons + Spin Physics

Contribution ID: **187**Type: **not specified**

Generalized parton distributions (CLAS)

Tuesday, April 28, 2009 12:30 PM (25 minutes)

Primary author: MORENO, Brahim (IPN, Orsay, France)

Presenter: MORENO, Brahim (IPN, Orsay, France)

Session Classification: Joint Session: Diffraction and Vector Mesons + Spin Physics

Contribution ID: **188**Type: **not specified**

Exclusive rho0 production at COMPASS

Wednesday, April 29, 2009 9:00 AM (20 minutes)

Primary author: JEGOU, Guillaume (CEA Saclay, France)

Presenter: JEGOU, Guillaume (CEA Saclay, France)

Session Classification: Joint Session: Diffraction and Vector Mesons + Spin Physics

Contribution ID: **189**Type: **not specified**

Properties of heavy quark hadrons at CDF

Wednesday, April 29, 2009 9:30 AM (15 minutes)

We present recent CDF results on the properties of hadrons containing heavy quarks. These include a new measurement of the Bc production rate and updated measurement of Bs and Lambda_b lifetimes.

Primary author: FERNANDEZ, Juan Pablo (CIEMAT)

Presenter: FERNANDEZ, Juan Pablo (CIEMAT)

Session Classification: Heavy Flavours

Contribution ID: 190

Type: **not specified**

Spin density matrix elements in exclusive ρ^0 production on H and D targets at HERMES

Tuesday, April 28, 2009 12:05 PM (25 minutes)

Primary author: NOWAK, Wolf-Dieter (DESY, Germany)

Presenter: NOWAK, Wolf-Dieter (DESY, Germany)

Session Classification: Joint Session: Diffraction and Vector Mesons + Spin Physics

Contribution ID: **191**Type: **not specified**

B baryons at D0

Wednesday, April 29, 2009 11:55 AM (15 minutes)

Although predicted by the quark model only a few of the B baryons predicted had been observed. D0 set out to search for two of those predicted, the Cascade_b and the Omega_b. The Cascade_b was observed in 2007 and the Omega_b in 2008. The search and observation was possible thanks to the reprocessing of events that include J/psi in such a way that the efficiency to reconstruct low pT charged tracks and charged tracks with large impact parameters was higher. This technique along with the use of multivariate techniques made possible the observation of both resonances. The Omega_b in the decay channel Omega + J/psi and the Cascade_b in Cascade J/psi.

Primary author: RATOFF, Peter (Lancaster University, UK)

Presenter: RATOFF, Peter (Lancaster University, UK)

Session Classification: Heavy Flavours

Contribution ID: 192

Type: **not specified**

GPD projects at COMPASS

Wednesday, April 29, 2009 9:40 AM (20 minutes)

Primary author: BURTIN, Etienne

Presenter: BURTIN, Etienne

Session Classification: Joint Session: Diffraction and Vector Mesons + Spin Physics

Contribution ID: 193

Type: **not specified**

Production of exclusive charmonium at CDF

Wednesday, April 29, 2009 10:10 AM (15 minutes)

We present the study of the exclusive production of charmonia via the reactions $p + \bar{p} \rightarrow p + X$ + p with X being a centrally produced J/ψ , $\psi(2s)$ or χ_c , using 1.48 fb⁻¹ of proton-antiproton collision data collected by the Run-II Collider Detector at Fermilab at $\sqrt{s}=1.96$ TeV

Primary author: PINFOLD, James (University of Alberta)

Presenter: PINFOLD, James (University of Alberta)

Session Classification: Heavy Flavours

Contribution ID: 194

Type: **not specified**

Dispersion relation for GPDs

Wednesday, April 29, 2009 10:00 AM (20 minutes)

Primary author: GOLDSTEIN, Gary (Tufts university, USA)

Presenter: GOLDSTEIN, Gary (Tufts university, USA)

Session Classification: Joint Session: Diffraction and Vector Mesons + Spin Physics

Contribution ID: 195

Type: **not specified**

Measurement of Bc mass and lifetime at LHCb

Wednesday, April 29, 2009 10:30 AM (15 minutes)

The Bc mass and lifetime measurements using the exclusive decay $B_c \rightarrow J/\psi \pi$ at the LHCb experiment were studied. About 310 signal events are expected for a data set which corresponds to an integrated luminosity of 1 fb^{-1} , with a B/S ratio around 2. Based on these data, the Bc mass and lifetime can be measured with expected statistical errors below $2 \text{ MeV}/c^2$ and 30 fs, respectively.

Primary author: HE, Jibo (Laboratoire de l'Accélérateur Linéaire (LAL))

Presenter: HE, Jibo (Laboratoire de l'Accélérateur Linéaire (LAL))

Session Classification: Heavy Flavours

Contribution ID: 196

Type: **not specified**

Forward neutron asymmetries generated in polarized pp collisions at RHIC

Wednesday, April 29, 2009 10:20 AM (20 minutes)

Primary author: TOGAWA, Manabu (RIKEN, BNL, USA)

Presenter: TOGAWA, Manabu (RIKEN, BNL, USA)

Session Classification: Joint Session: Diffraction and Vector Mesons + Spin Physics

Contribution ID: 197

Type: **not specified**

Recent results on charmonium production at HERA-B

Wednesday, April 29, 2009 11:15 AM (15 minutes)

HERA-B is a fixed target experiment at the 920 GeV HERA proton beam at DESY which uses a variety nuclear targets. A di-lepton trigger can select events containing leptonic J/psi decays. During the 2002/2003 HERA-B run, 150 million di-lepton triggers and 200 million minimum bias triggers were recorded. About 300.000 leptonic J/psi decays (~ 170.000 J/psi $\rightarrow \mu^+\mu^-$ and ~ 130.000 J/psi $\rightarrow e^+e^-$) were acquired with the di-lepton trigger. A complete study of the charmonium production (such as J/psi, ψ' and χ_c states) in the negative Feynman x region (x_F), and of the J/psi polarization will be presented. Results will be given also on the nuclear dependence of charmonium production, on χ_c and ψ' production and the determination of the b b-bar cross section in proton-nucleus collisions.

Primary author: SPIGHI, Roberto (Bologna)

Presenter: SPIGHI, Roberto (Bologna)

Session Classification: Heavy Flavours

Contribution ID: **198**Type: **not specified**

Quarkonium production in CMS

Wednesday, April 29, 2009 11:35 AM (15 minutes)

We present expected sensitivities for the measurement of the charmonium production cross section in pp collisions using the CMS detector at the LHC. The analysis is performed on a Monte Carlo sample simulating expected conditions for early data, and includes lifetime information to separate prompt and non-prompt J/psi production.

Primary author: LOURENCO, Carlos (CERN)

Presenter: LOURENCO, Carlos (CERN)

Session Classification: Heavy Flavours

Contribution ID: 199

Type: **not specified**

Charmonia and bottom production measurements with J/psi events at LHCb

Wednesday, April 29, 2009 9:50 AM (15 minutes)

We report on the possibilities of measuring charmonia and bottom production with the LHCb experiment. Using reconstructed J/psi decays to $\mu^+ \mu^-$, both the prompt J/psi and $b \rightarrow J/\psi$ production cross-sections in pp collisions at LHC energies will be determined in the J/psi eta range 2-5. Due to the very large statistics, this analysis will be possible very early after the LHC start. Other charmonia related measurements will also be discussed, such as that of the J/psi polarization at production or of the production of some of the new X, Y and Z states.

Primary author: NEEDHAM, Matthew David (EPFL)

Presenter: NEEDHAM, Matthew David (EPFL)

Session Classification: Heavy Flavours

Contribution ID: 200

Type: **not specified**

Heavy Flavour production in ATLAS

Wednesday, April 29, 2009 12:15 PM (15 minutes)

ATLAS prepared a program for measurements of production cross sections both of b-hadrons and Onia in central proton-proton collisions at new energy 14 TeV of LHC.

Dedicated triggers based on muon, di-muon or electron signatures are designed to accommodate large statistics with already first several months. Starting from semi-inclusive measurements for very early stage exclusive channels will soon dominate measurements, allowing tests of QCD in Heavy Flavour sector already with 10 pb⁻¹. With larger statistics production polarization measurements are being prepared for J/psi and Lambda_b. It is expected that 30 fb⁻¹ collected at 10³³ cm⁻² s⁻¹ will allow specific measurements not accessible with limited statistics of Tevatron. In particular Lambda_b polarization measurement can be achieved using Lambda_b -> J/psi Lambda decay. In J/psi a polarization measurement will allow to confirm or exclude model predictions within large interval of transverse momenta.

Primary author: STAHL, Thorsten (University of Siegen)

Presenter: STAHL, Thorsten (University of Siegen)

Session Classification: Heavy Flavours

Contribution ID: **201**

Type: **not specified**

Round-table discussion on heavy-flavour studies in LHC era

Wednesday, April 29, 2009 12:35 PM (25 minutes)

Session Classification: Heavy Flavours

Contribution ID: 202

Type: **not specified**

ep and eA physics at low Q²

Contribution ID: 203

Type: **not specified**

eA physics at a future Electron-Ion Collider

Tuesday, April 28, 2009 9:25 AM (25 minutes)

Presenter: MATT LAMONT

Session Classification: Future Facilities

Contribution ID: 204

Type: **not specified**

Spin structure studies at an EIC

Presenter: ED KINNEY

Contribution ID: 205

Type: **not specified**

Physics with a low/medium energy EIC

Contribution ID: 206

Type: **not specified**

Physics with a low/medium energy EIC

Contribution ID: **207**

Type: **not specified**

Physics with a low/medium energy EIC

Tuesday, April 28, 2009 10:15 AM (25 minutes)

Presenter: WEISS, Christian (Jefferson Lab, USA)

Session Classification: Future Facilities

Contribution ID: **208**

Type: **not specified**

ep and eA physics at low Q²

Tuesday, April 28, 2009 9:00 AM (25 minutes)

Presenter: CALDWELL, Allen (Max-Planck-Institut fuer Physik Munich)

Session Classification: Future Facilities

Contribution ID: **209**

Type: **not specified**

QCD at the LHeC

Tuesday, April 28, 2009 11:15 AM (25 minutes)

Primary author: STASTO, Anna (Penn State U./RIKEN BNL)

Presenter: STASTO, Anna (Penn State U./RIKEN BNL)

Session Classification: Future Facilities

Contribution ID: **210**

Type: **not specified**

Precision studies of QCD and EW interactions

Tuesday, April 28, 2009 11:40 AM (25 minutes)

Presenter: BEHNKE, Olaf (DESY)

Session Classification: Future Facilities

Contribution ID: 211

Type: **not specified**

New Physics at large scales

Tuesday, April 28, 2009 12:05 PM (25 minutes)

Presenter: UTA KLEIN

Session Classification: Future Facilities

Contribution ID: 212

Type: **not specified**

Potential of the LHeC to constrain PDFs

Tuesday, April 28, 2009 12:30 PM (25 minutes)

Presenter: ROJO, Juan (INFN Sezione di Milano)

Session Classification: Future Facilities

Contribution ID: 213

Type: **not specified**

Designs for a Electron-Ion Collider

Presenter: VLADIMIR LIVITENKO

Contribution ID: 214

Type: **not specified**

EIC detector plans

Tuesday, April 28, 2009 3:25 PM (25 minutes)

Primary author: ASCHENAUER, Elke-Caroline (Brookhaven National Laboratory)

Presenter: ASCHENAUER, Elke-Caroline (Brookhaven National Laboratory)

Session Classification: Future Facilities

Contribution ID: 215

Type: **not specified**

EIC detector plans

Contribution ID: **216**

Type: **not specified**

LHeC facility plans

Tuesday, April 28, 2009 3:50 PM (30 minutes)

Presenter: BERNARD HOLZER

Session Classification: Future Facilities

Contribution ID: **217**

Type: **not specified**

LHeC detector plans

Tuesday, April 28, 2009 4:20 PM (20 minutes)

Presenter: ALLESANDRO POLLINI

Session Classification: Future Facilities

Contribution ID: **218**

Type: **not specified**

The JLAB 12 GeV upgrade- Short introduction

Tuesday, April 28, 2009 5:15 PM (5 minutes)

Presenter: ROLF ENT

Session Classification: Future Facilities

Contribution ID: 219

Type: **not specified**

The Hall A deep inelastic scattering program at 12 GeV

Presenter: NILANGA LIYANA

Contribution ID: 220

Type: **not specified**

The CLAS12 detector at JLAB to measure GPDS and large-x PDFs

Tuesday, April 28, 2009 5:45 PM (25 minutes)

Presenter: MICHEL GUIDAL

Session Classification: Future Facilities

Contribution ID: 221

Type: **not specified**

The SHMS and the Hall C L/T separated DIS program

Tuesday, April 28, 2009 6:10 PM (25 minutes)

Presenter: KEPPEL, Cynthia (Hampton U. / Jefferson Lab)

Session Classification: Future Facilities

Contribution ID: 222

Type: **not specified**

The 12 GeV upgrade DIS related program

Tuesday, April 28, 2009 6:35 PM (25 minutes)

Presenter: SIMONETTA LIUTI

Session Classification: Future Facilities

Contribution ID: 223

Type: **not specified**

The Hall A deep inelastic scattering program at 12 GeV

Tuesday, April 28, 2009 5:20 PM (25 minutes)

Primary author: LIYANAGE, Nilanga (University of Virginia)

Presenter: LIYANAGE, Nilanga (University of Virginia)

Session Classification: Future Facilities

Contribution ID: 224

Type: **not specified**

Exploring the Anti-quark Structure of Matter with Drell-Yan

Wednesday, April 29, 2009 9:00 AM (25 minutes)

Presenter: PAUL REIMER

Session Classification: Future Facilities

Contribution ID: 225

Type: **not specified**

Vertex detector upgrades for the Phenix detector

Wednesday, April 29, 2009 9:25 AM (25 minutes)

Presenter: RACHID NOUCER

Session Classification: Future Facilities

Contribution ID: 226

Type: **not specified**

The Phenix forward muon trigger upgrade project for the study of the proton spin

Wednesday, April 29, 2009 9:50 AM (25 minutes)

Presenter: YOSHINORI FUKAO

Session Classification: Future Facilities

Contribution ID: 227

Type: **not specified**

The Phenix forward muon trigger upgrade project

Contribution ID: 228

Type: **not specified**

Future physics program at RHIC with tagged forward protons

Wednesday, April 29, 2009 10:15 AM (25 minutes)

Presenter: JEONG-HUN LEE

Session Classification: Future Facilities

Contribution ID: 229

Type: **not specified**

The Minerva detector and science possibilities

Wednesday, April 29, 2009 11:15 AM (25 minutes)

Presenter: BENJAMIN ZIEMER

Session Classification: Future Facilities

Contribution ID: 230

Type: **not specified**

Future plans of COMPASS

Wednesday, April 29, 2009 11:40 AM (25 minutes)

Presenter: ALAIN MAGNON

Session Classification: Future Facilities

Contribution ID: 231

Type: **not specified**

Spin structure studies at an EIC

Presenter: ED KINNEY

Contribution ID: 232

Type: **not specified**

Spin structure studies at an EIC

Presenter: ED KINNEY

Contribution ID: 233

Type: **not specified**

Spin structure studies at an EIC

Tuesday, April 28, 2009 9:50 AM (25 minutes)

Presenter: ED KINNEY

Session Classification: Future Facilities

Contribution ID: 234

Type: **not specified**

Designs for an Electron-Ion Collider

Tuesday, April 28, 2009 3:00 PM (25 minutes)

Presenter: VLADIMIR LIVITENKO

Session Classification: Future Facilities

Contribution ID: 235

Type: **not specified**

Precise luminosity measurement using electroweak bosons and luminosity measurement using two photon dimuon production with LHCb

Tuesday, April 28, 2009 4:06 PM (18 minutes)

Primary author: DE LORENZI, Francesco (University College Dublin)

Presenter: DE LORENZI, Francesco (University College Dublin)

Session Classification: Structure Functions and Low-x

Contribution ID: 236

Type: **not specified**

Single spin asymmetries in $l p \rightarrow h + X$ processes

*Monday, April 27, 2009 3:00 PM (20 minutes)***Primary author:** Dr D'ALESIO, Umberto**Presenter:** Dr D'ALESIO, Umberto**Session Classification:** Spin Physics

Contribution ID: 237

Type: **not specified**

High Q2 Jets and alpha_s fit (H1)

Monday, April 27, 2009 9:00 AM (20 minutes)

Primary author: SPECKA, Arnd

Presenter: SPECKA, Arnd

Session Classification: Hadronic Final States and QCD

Contribution ID: 238

Type: **not specified**

Jet cross sections in DIS and photoproduction (ZEUS)

Monday, April 27, 2009 9:20 AM (20 minutes)

Primary author: GWENLAN, Claire

Presenter: GWENLAN, Claire

Session Classification: Hadronic Final States and QCD

Contribution ID: 239

Type: **not specified**

Fast NLO calculation of jet and charm production cross sections by the pseudo moment method

Monday, April 27, 2009 9:40 AM (20 minutes)

Primary author: KAWAMURA, Hiroyuki

Presenter: KAWAMURA, Hiroyuki

Session Classification: Hadronic Final States and QCD

Contribution ID: 240

Type: **not specified**

Jet substructure in NC DIS (ZEUS)

Monday, April 27, 2009 3:40 PM (20 minutes)

Primary author: RON, Elias (Universidad autonoma de madrid)

Presenter: RON, Elias (Universidad autonoma de madrid)

Session Classification: Hadronic Final States and QCD

Contribution ID: 241

Type: **not specified**

ATLAS Early QCD measurements (ATLAS)

Monday, April 27, 2009 10:00 AM (35 minutes)

Primary author: BUTTAR, Craig

Presenter: BUTTAR, Craig

Session Classification: Hadronic Final States and QCD

Contribution ID: 242

Type: **not specified**

High-pt Jet Studies (CMS)

Monday, April 27, 2009 10:35 AM (20 minutes)

Primary author: OEHLER, Andreas

Presenter: OEHLER, Andreas

Session Classification: Hadronic Final States and QCD

Contribution ID: 243

Type: **not specified**

Single hadron production in neutral current DIS at NLO

Tuesday, April 28, 2009 9:00 AM (20 minutes)

Primary author: SANDOVAL, Carlos

Presenter: SANDOVAL, Carlos

Session Classification: Hadronic Final States and QCD

Contribution ID: 244

Type: **not specified**

Inclusive K0SK0S resonance production in ep collisions (ZEUS)

Tuesday, April 28, 2009 9:20 AM (20 minutes)

Primary author: SAXON, David

Presenter: SAXON, David

Session Classification: Hadronic Final States and QCD

Contribution ID: 245

Type: **not specified**

K^* production at low Q^2 (H1)

Tuesday, April 28, 2009 9:40 AM (20 minutes)

Primary author: SUNAR, Deniz

Presenter: SUNAR, Deniz

Session Classification: Hadronic Final States and QCD

Contribution ID: 246

Type: **not specified**

Strangeness production at low and high Q^2 (H1)

Tuesday, April 28, 2009 10:00 AM (20 minutes)

Primary author: NOWAK, Grazyna

Presenter: NOWAK, Grazyna

Session Classification: Hadronic Final States and QCD

Contribution ID: 247

Type: **not specified**

Light mesons in photoproduction (H1)

*Tuesday, April 28, 2009 10:20 AM (20 minutes)***Primary author:** KROPIVNITSKAYA, Anna**Presenter:** KROPIVNITSKAYA, Anna**Session Classification:** Hadronic Final States and QCD

Contribution ID: 248

Type: **not specified**

Measurements of the inclusive jet and dijet production cross sections at CDF

Monday, April 27, 2009 3:00 PM (20 minutes)

Primary author: MARTINEZ, Mario

Presenter: MARTINEZ, Mario

Session Classification: Hadronic Final States and QCD

Contribution ID: 249

Type: **not specified**

Measurement of the di-jet mass (D0)

Monday, April 27, 2009 3:20 PM (20 minutes)

Primary author: ROMINSKY, Mandy

Presenter: ROMINSKY, Mandy

Session Classification: Hadronic Final States and QCD

Contribution ID: 250

Type: **not specified**

On QCD non-perturbative hadronisation effects in jets

Wednesday, April 29, 2009 1:05 PM (20 minutes)

Primary author: DELENDA, Yazid

Presenter: DELENDA, Yazid

Session Classification: Hadronic Final States and QCD

Contribution ID: 251

Type: **not specified**

Hadronic Event Shapes at CMS

Monday, April 27, 2009 4:00 PM (15 minutes)

Primary author: WEBER, Matthias Artur

Presenter: WEBER, Matthias Artur

Session Classification: Hadronic Final States and QCD

Contribution ID: 252

Type: **not specified**

Jet reconstruction in the Hadronic Forward calorimeter at CMS

Monday, April 27, 2009 4:15 PM (20 minutes)

Primary author: CERCI, Salim

Presenter: CERCI, Salim

Session Classification: Hadronic Final States and QCD

Contribution ID: 253

Type: **not specified**

Study of the Few Nucleon Systems (CLAS)

Monday, April 27, 2009 5:15 PM (20 minutes)

Primary author: ILIEVA, Yordanka

Presenter: ILIEVA, Yordanka

Session Classification: Hadronic Final States and QCD

Contribution ID: 254

Type: **not specified**

Hadronization following DIS from CLAS

Monday, April 27, 2009 5:35 PM (20 minutes)

Primary author: HICKS, Ken

Presenter: HICKS, Ken

Session Classification: Hadronic Final States and QCD

Contribution ID: 255

Type: **not specified**

Meson photoproduction (CLAS)

Monday, April 27, 2009 5:55 PM (20 minutes)

Co-author: STRAUCH, Steffen

Presenter: STRAUCH, Steffen

Session Classification: Hadronic Final States and QCD

Contribution ID: 256

Type: **not specified**

Medium and modified fragmentation function

Monday, April 27, 2009 6:15 PM (20 minutes)

Primary author: SASSOT, Rodolfo

Presenter: SASSOT, Rodolfo

Session Classification: Hadronic Final States and QCD

Contribution ID: 257

Type: **not specified**

Nuclear p_t-broadening of semi-inclusive produced mesons (HERMES)

Monday, April 27, 2009 6:35 PM (20 minutes)

Primary author: VAN HAARLEM, Yves

Presenter: VAN HAARLEM, Yves

Session Classification: Hadronic Final States and QCD

Contribution ID: 258

Type: **not specified**

First measurements with the LHCb experiment (LHCb)

Monday, April 27, 2009 11:15 AM (35 minutes)

Primary author: BRITSCH, Markward

Presenter: BRITSCH, Markward

Session Classification: Hadronic Final States and QCD

Contribution ID: 259

Type: **not specified**

The Drell-Yan process in NNLO QCD

Monday, April 27, 2009 11:50 AM (20 minutes)

Primary author: GRAZZINI, Massimiliano

Presenter: GRAZZINI, Massimiliano

Session Classification: Hadronic Final States and QCD

Contribution ID: 260

Type: **not specified**

Hadronic top quark pair production in association with a hard jet at next-to-leading order QCD

Monday, April 27, 2009 12:10 PM (20 minutes)

Primary author: UWER, Peter

Presenter: UWER, Peter

Session Classification: Hadronic Final States and QCD

Contribution ID: 261

Type: **not specified**

Higgs boson production with multiple hard jets

Monday, April 27, 2009 12:30 PM (20 minutes)

Primary author: WHITE, Chris

Presenter: WHITE, Chris

Session Classification: Hadronic Final States and QCD

Contribution ID: 262

Type: **not specified**

aT distribution of the Z0 boson at low transverse momentum

Tuesday, April 28, 2009 4:25 PM (20 minutes)

Primary author: DELGADO, Rosa

Presenter: DELGADO, Rosa

Session Classification: Joint Session: Electroweak Physics and Beyond the Standard Model + Hadronic Final States and QCD

Contribution ID: 263

Type: **not specified**

Measurement of di-jet angular distributions (D0)

*Tuesday, April 28, 2009 11:15 AM (20 minutes)***Primary author:** PARUA, Nirmalya**Presenter:** PARUA, Nirmalya**Session Classification:** Hadronic Final States and QCD

Contribution ID: 264

Type: **not specified**

Angular correlations in three-jet events in ep collisions (ZEUS)

Tuesday, April 28, 2009 11:35 AM (20 minutes)

Primary author: MAGILL, Stephen

Presenter: MAGILL, Stephen

Session Classification: Hadronic Final States and QCD

Contribution ID: 265

Type: **not specified**

Azimuthal decorrelations between QCD jets at all orders

Tuesday, April 28, 2009 11:55 AM (20 minutes)

Primary author: BANFI, Andrea

Presenter: BANFI, Andrea

Session Classification: Hadronic Final States and QCD

Contribution ID: 266

Type: **not specified**

Transverse momentum resummation at hadron colliders

Contribution ID: 267

Type: **not specified**

Transverse momentum resummation at hadron colliders

Tuesday, April 28, 2009 12:15 PM (15 minutes)

Primary author: GRAZZINI, Massimiliano

Presenter: GRAZZINI, Massimiliano

Session Classification: Hadronic Final States and QCD

Contribution ID: 268

Type: **not specified**

Path integral methods for soft gluon resummation

Tuesday, April 28, 2009 12:30 PM (20 minutes)

Primary author: WHITE, Chris

Presenter: WHITE, Chris

Session Classification: Hadronic Final States and QCD

Contribution ID: 269

Type: **not specified**

Gaps-between-jets and soft gluon resummation

Tuesday, April 28, 2009 12:50 PM (20 minutes)

Primary author: MARZANI, Simone

Presenter: MARZANI, Simone

Session Classification: Hadronic Final States and QCD

Contribution ID: 270

Type: **not specified**

D0 results in Z + jets

Tuesday, April 28, 2009 3:00 PM (20 minutes)

Primary author: KIRBY, Michael

Presenter: KIRBY, Michael

Session Classification: Joint Session: Electroweak Physics and Beyond the Standard Model
+ Hadronic Final States and QCD

Contribution ID: 271

Type: **not specified**

CDF results in W / Z + jets

Tuesday, April 28, 2009 3:20 PM (20 minutes)

Primary author: SHEARS, Tara

Presenter: SHEARS, Tara

Session Classification: Joint Session: Electroweak Physics and Beyond the Standard Model
+ Hadronic Final States and QCD

Contribution ID: 272

Type: **not specified**

Atlas and CMS W/Z+jets production

Tuesday, April 28, 2009 3:40 PM (25 minutes)

Primary author: NIELSEN, Jason

Presenter: NIELSEN, Jason

Session Classification: Joint Session: Electroweak Physics and Beyond the Standard Model
+ Hadronic Final States and QCD

Contribution ID: 273

Type: **not specified**

LHCb Studies of W and Z boson production in the forward region

Tuesday, April 28, 2009 4:05 PM (20 minutes)

Primary author: TRAYNOR, Sara

Presenter: TRAYNOR, Sara

Session Classification: Joint Session: Electroweak Physics and Beyond the Standard Model + Hadronic Final States and QCD

Contribution ID: 275

Type: **not specified**

CKKW merging at NLO

Tuesday, April 28, 2009 5:15 PM (20 minutes)

Primary author: LONNBLAD, Leif

Presenter: LONNBLAD, Leif

Session Classification: Hadronic Final States and QCD

Contribution ID: 276

Type: **not specified**

Gluon and dipole cascades on the light-front

Contribution ID: 277

Type: **not specified**

Gluon and dipole cascades on the light-front

Tuesday, April 28, 2009 5:35 PM (20 minutes)

Primary author: STASTO, Anna (Penn State U./RIKEN BNL)

Presenter: STASTO, Anna (Penn State U./RIKEN BNL)

Session Classification: Hadronic Final States and QCD

Contribution ID: 278

Type: **not specified**

The CASCADE Monte Carlo event generator

Tuesday, April 28, 2009 5:55 PM (25 minutes)

Primary author: JUNG, Hannes

Presenter: JUNG, Hannes

Session Classification: Hadronic Final States and QCD

Contribution ID: 279

Type: **not specified**

Study of forward jet production using qg, qg in kt -factorization

Tuesday, April 28, 2009 6:20 PM (20 minutes)

Primary author: MICHAL, Deak

Presenter: MICHAL, Deak

Session Classification: Hadronic Final States and QCD

Contribution ID: 280

Type: **not specified**

W/Z production in the k_T-factorization approach

Tuesday, April 28, 2009 6:40 PM (20 minutes)

Primary author: ZOTOV, Nikolay (SINP, Moscow State University)

Presenter: ZOTOV, Nikolay (SINP, Moscow State University)

Session Classification: Hadronic Final States and QCD

Contribution ID: 281

Type: **not specified**

Quark Reggeization and prompt photon production at HERA and Tevatron

Wednesday, April 29, 2009 9:00 AM (20 minutes)

Co-author: SALEEV, V.A.

Presenter: SALEEV, V.A.

Session Classification: Hadronic Final States and QCD

Contribution ID: 282

Type: **not specified**

Prompt-photon production in DIS (ZEUS)

Wednesday, April 29, 2009 9:20 AM (20 minutes)

Primary author: FORREST, Matthew

Presenter: FORREST, Matthew

Session Classification: Hadronic Final States and QCD

Contribution ID: 283

Type: **not specified**

Prompt Photons in photoproduction (H1)

Wednesday, April 29, 2009 9:40 AM (20 minutes)

Primary author: NOWAK, Krzysztof

Presenter: NOWAK, Krzysztof

Session Classification: Hadronic Final States and QCD

Contribution ID: 284

Type: **not specified**

Photon + jet results from D0

Wednesday, April 29, 2009 10:00 AM (20 minutes)

Primary author: SONNENSCHNEIN, Lars

Presenter: SONNENSCHNEIN, Lars

Session Classification: Hadronic Final States and QCD

Contribution ID: 285

Type: **not specified**

Inclusive Prompt Photon Production at CDF

Wednesday, April 29, 2009 10:20 AM (20 minutes)

Primary author: DELUCA, Carolina

Presenter: DELUCA, Carolina

Session Classification: Hadronic Final States and QCD

Contribution ID: 286

Type: **not specified**

Soft QCD and the underlying event at CDF

Wednesday, April 29, 2009 11:15 AM (20 minutes)

Primary author: MESROPIAN, Christina

Presenter: MESROPIAN, Christina

Session Classification: Hadronic Final States and QCD

Contribution ID: 287

Type: **not specified**

Minimum Bias and Underlying Event Studies at CMS

Wednesday, April 29, 2009 11:35 AM (15 minutes)

Primary author: VAN REMORTEL, Nick

Presenter: VAN REMORTEL, Nick

Session Classification: Hadronic Final States and QCD

Contribution ID: 288

Type: **not specified**

The underlying event in photoproduction (H1)

Wednesday, April 29, 2009 11:50 AM (20 minutes)

Primary author: MARTI, Lluís

Presenter: MARTI, Lluís

Session Classification: Hadronic Final States and QCD

Contribution ID: 289

Type: **not specified**

Particle Charge Asymmetries (H1)

Wednesday, April 29, 2009 12:10 PM (20 minutes)

Primary author: TRAYNOR, Dan

Presenter: TRAYNOR, Dan

Session Classification: Hadronic Final States and QCD

Contribution ID: 290

Type: **not specified**

Scaled momentum distributions of charged particles in dijet photoproduction (ZEUS)

Wednesday, April 29, 2009 12:30 PM (20 minutes)

Primary author: MORRIS, John

Presenter: MORRIS, John

Session Classification: Hadronic Final States and QCD

Contribution ID: 291

Type: **not specified**

Measurement of charged particle spectra in pp collisions at CMS

Wednesday, April 29, 2009 12:50 PM (15 minutes)

Primary author: MUCIBELLO, Luca

Presenter: MUCIBELLO, Luca

Session Classification: Hadronic Final States and QCD

Contribution ID: 293

Type: **not specified**

COMPASS Results on the Strange Quark Polarisation

Monday, April 27, 2009 9:00 AM (25 minutes)

Primary author: Dr SANTOS, Helena (LIP-Lisbon)

Presenter: Dr SANTOS, Helena (LIP-Lisbon)

Session Classification: Spin Physics

Contribution ID: 294

Type: **not specified**

Transversity signals in two-hadron production in COMPASS

Monday, April 27, 2009 6:15 PM (20 minutes)

Primary author: Mr WOLLNY, Heiner

Presenter: Mr WOLLNY, Heiner

Session Classification: Spin Physics

Contribution ID: 295

Type: **not specified**

Longitudinal Polarization of Lambda and antiLambda Hyperons in Deep-Inelastic Scattering at COMPASS

Monday, April 27, 2009 5:15 PM (20 minutes)

Primary author: Mr SAPOZHNIKOV, Mikhail

Presenter: Mr SAPOZHNIKOV, Mikhail

Session Classification: Spin Physics

Contribution ID: 296

Type: **not specified**

Transversity at CLAS

Monday, April 27, 2009 6:35 PM (20 minutes)

Primary authors: Mr MIRAZITA, Marco; Ms ROSSI, Patrizia

Presenters: Mr MIRAZITA, Marco; Ms ROSSI, Patrizia

Session Classification: Spin Physics

Contribution ID: 297

Type: **not specified**

Strategy to extract generalized parton distributions from experiment

Monday, April 27, 2009 11:15 AM (20 minutes)

Primary author: Dr LIUTI, Simonetta (University of Virginia)

Presenter: Dr LIUTI, Simonetta (University of Virginia)

Session Classification: Spin Physics

Contribution ID: 298

Type: **not specified**

HERMES results on DVCS off Deuterium

Monday, April 27, 2009 11:55 AM (20 minutes)

Primary author: Mr MOVSISYAN, Aram

Presenter: Mr MOVSISYAN, Aram

Session Classification: Spin Physics

Contribution ID: 299

Type: **not specified**

Status of Recoil-Detector Analysis at HERMES

Monday, April 27, 2009 12:15 PM (20 minutes)

Primary author: Dr RIEDL, Caroline (DESY)

Presenter: Dr RIEDL, Caroline (DESY)

Session Classification: Spin Physics

Contribution ID: **300**

Type: **not specified**

Spin response of the proton in the resonance region

Presenter: Mr SLIFER, Karl

Contribution ID: **301**Type: **not specified**

Search of 2-photon exchange signal in inclusive DIS off transversely polarized protons

Tuesday, April 28, 2009 9:00 AM (20 minutes)

Primary author: Mr LOPEZ RUIZ, Alejandro (Universiteit Gent)

Presenter: Mr LOPEZ RUIZ, Alejandro (Universiteit Gent)

Session Classification: Spin Physics

Contribution ID: 302

Type: **not specified**

Accessing Generalized Transversity Distributions with Exclusive π^0 Electroproduction

Tuesday, April 28, 2009 9:20 AM (20 minutes)

Primary author: LIUTI, Simonetta (University of Virginia)

Presenter: LIUTI, Simonetta (University of Virginia)

Session Classification: Spin Physics

Contribution ID: 303

Type: **not specified**

Deeply exclusive vector-meson electroproduction at CLAS

Tuesday, April 28, 2009 10:20 AM (20 minutes)

Primary author: Mr FRADI, Ahmed

Presenter: Mr FRADI, Ahmed

Session Classification: Spin Physics

Contribution ID: 304

Type: **not specified**

“Transverse” SDMEs in exclusive electro-production of ρ^0 at HERMES

Tuesday, April 28, 2009 10:00 AM (20 minutes)

Primary author: Dr ROSTOMYAN, Ami (DESY)

Presenter: Dr ROSTOMYAN, Ami (DESY)

Session Classification: Spin Physics

Contribution ID: 305

Type: **not specified**

“Transverse” SDMEs in exclusive electro-production of ρ^0 at HERMES

Contribution ID: **306**

Type: **not specified**

Open-Charm results from COMPASS

Tuesday, April 28, 2009 4:15 PM (25 minutes)

Primary author: Mr FRANCO, Celso (LIP-Lisbon)

Presenter: Mr FRANCO, Celso (LIP-Lisbon)

Session Classification: Spin Physics

Contribution ID: 307

Type: **not specified**

HERMES results on azimuthal modulations in the spin-independent SIDIS cross section (Cahn/Boer-Mulders effects)

Tuesday, April 28, 2009 5:40 PM (25 minutes)

Primary author: Dr GIORDANO, Francesca (DESY)

Presenter: Dr GIORDANO, Francesca (DESY)

Session Classification: Spin Physics

Contribution ID: 308

Type: **not specified**

Azimuthal asymmetries in SIDIS off unpolarized targets (Boer-Mulders/Cahn effects) at COMPASS

Tuesday, April 28, 2009 6:05 PM (25 minutes)

Primary author: Dr BRESSAN, Andrea (Triest)

Presenter: Dr BRESSAN, Andrea (Triest)

Session Classification: Spin Physics

Contribution ID: 309

Type: **not specified**

COMPASS results on Collins and Sivers asymmetries

Wednesday, April 29, 2009 11:40 AM (25 minutes)

Primary author: BRESSAN, Andrea (University of Trieste and INFN)

Presenter: BRESSAN, Andrea (University of Trieste and INFN)

Session Classification: Spin Physics

Contribution ID: 310

Type: **not specified**

Single-spin asymmetries in SIDIS off transversely polarized protons at HERMES

Wednesday, April 29, 2009 12:05 PM (25 minutes)

Primary author: Dr PAPPALARDO, Luciano

Presenter: Dr PAPPALARDO, Luciano

Session Classification: Spin Physics

Contribution ID: 311

Type: **not specified**

Sivers and Collins effects: from SIDIS to proton-proton scattering

Monday, April 27, 2009 3:20 PM (20 minutes)

Primary author: Dr BOGLIONE, Elena

Presenter: Dr BOGLIONE, Elena

Session Classification: Spin Physics

Contribution ID: **312**

Type: **not specified**

Transverse spin results

Contribution ID: 313

Type: **not specified**

CTEQ PDFs for event generators at LHC

Tuesday, April 28, 2009 4:28 PM (15 minutes)

Primary author: LAI, Hung-Liang (Taipei Municipal University of Education)

Presenter: LAI, Hung-Liang (Taipei Municipal University of Education)

Session Classification: Structure Functions and Low-x

Contribution ID: 314

Type: **not specified**

Search for GMSB and new physics using photons

Tuesday, April 28, 2009 5:45 PM (25 minutes)

Primary author: STROEHMER, Raimund (LMU Munich)

Presenter: STROEHMER, Raimund (LMU Munich)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: 315

Type: **not specified**

Search for new neutral gauge bosons and leptoquarks at the Tevatron

Wednesday, April 29, 2009 11:15 AM (25 minutes)

Primary author: SAFONOV, Alexei (Texas A&M University)

Presenter: SAFONOV, Alexei (Texas A&M University)

Session Classification: Electroweak Physics and Beyond the Standard Model

Contribution ID: **316**

Type: **not specified**

Spin response of the proton in the resonance region

Monday, April 27, 2009 12:35 PM (20 minutes)

Primary author: Mr SLIFER, Karl

Presenter: Mr SLIFER, Karl

Session Classification: Spin Physics

Contribution ID: 317

Type: **not specified**

Determination of the Structure Functions F2 from HERMES

Monday, April 27, 2009 12:45 PM (15 minutes)

Primary author: GABBERT, Dominik (DESY Zeuthen)

Presenter: GABBERT, Dominik (DESY Zeuthen)

Session Classification: Structure Functions and Low-x

Contribution ID: 318

Type: **not specified**

Probing the Proton Spin Structure with W bosons at PHENIX

Monday, April 27, 2009 9:50 AM (25 minutes)

Primary author: KEMPEL, Todd

Presenter: KEMPEL, Todd

Session Classification: Spin Physics

Contribution ID: **319**

Type: **not specified**

The STAR W Spin Physics Program in 2009 and Beyond

Monday, April 27, 2009 10:15 AM (25 minutes)

Primary author: BALEWSKI, Jan

Presenter: BALEWSKI, Jan

Session Classification: Spin Physics

Contribution ID: 320

Type: **not specified**

Transverse Spin Measurements at PHENIX

Monday, April 27, 2009 3:40 PM (20 minutes)

Primary author: KOSTER, John (UIUC)

Presenter: KOSTER, John (UIUC)

Session Classification: Spin Physics

Contribution ID: **321**

Type: **not specified**

Recent Transverse Spin Results at STAR

Monday, April 27, 2009 4:00 PM (20 minutes)

Primary author: HEPPELMANN, Steve

Presenter: HEPPELMANN, Steve

Session Classification: Spin Physics

Contribution ID: 322

Type: **not specified**

Cross-sections and SSAs of Identified Forward Hadrons at RHIC

Monday, April 27, 2009 4:20 PM (20 minutes)

Primary author: LEE, J.H.

Presenter: LEE, J.H.

Session Classification: Spin Physics

Contribution ID: 323

Type: **not specified**

Gluon Polarization Measurements from the PHENIX Spin Program

Tuesday, April 28, 2009 3:25 PM (25 minutes)

Primary author: TANEJA, Swadhin

Presenter: TANEJA, Swadhin

Session Classification: Spin Physics

Contribution ID: 324

Type: **not specified**

Exploring the Gluon Polarization in the Proton with Inclusive and Correlation Measurements at STAR

Tuesday, April 28, 2009 3:50 PM (25 minutes)

Primary author: SURROW, Bernd (MIT)

Presenter: SURROW, Bernd (MIT)

Session Classification: Spin Physics

Contribution ID: 325

Type: **not specified**

Measurements of Drell-Yan Angular Distributions and the Transverse Boer-Mulders Structure Function

Tuesday, April 28, 2009 6:30 PM (25 minutes)

Primary author: REIMER, Paul E.

Presenter: REIMER, Paul E.

Session Classification: Spin Physics

Contribution ID: 326

Type: **not specified**

Structure Functions and Low-x: Experimental Summary

Thursday, April 30, 2009 9:20 AM (25 minutes)

Presenter: REISERT, Burkard

Session Classification: Plenary Session

Contribution ID: 327

Type: **not specified**

Diffraction and Vector Mesons: Experimental Summary

Thursday, April 30, 2009 10:05 AM (25 minutes)

Presenter: LAYCOCK, Paul James (Oliver Lodge Laboratory-University of Liverpool)

Session Classification: Plenary Session

Contribution ID: 328

Type: **not specified**

Electroweak Physics and BSM: Experimental Summary

Thursday, April 30, 2009 11:20 AM (25 minutes)

Presenter: MARTINEZ, Mario

Session Classification: Plenary Session

Contribution ID: **329**

Type: **not specified**

Hadronic Final States and QCD: Experimental Summary (I)

Thursday, April 30, 2009 12:00 PM (15 minutes)

Presenter: KNUTSSON, Albert (DESY)

Session Classification: Plenary Session

Contribution ID: 330

Type: **not specified**

Hadronic Final States and QCD: Experimental Summary (II)

Thursday, April 30, 2009 12:15 PM (15 minutes)

Presenter: HESKETH, gavin

Session Classification: Plenary Session

Contribution ID: 331

Type: **not specified**

Heavy Flavours: News from Proton and Heavy Ion Colliders

Thursday, April 30, 2009 12:45 PM (15 minutes)

Presenter: TONELLI, Diego (Fermilab)

Session Classification: Plenary Session

Contribution ID: 332

Type: **not specified**

Heavy Flavours: News from HERA and e+e- Colliders

Thursday, April 30, 2009 1:00 PM (15 minutes)

Presenter: GLADILIN, Leonid (Moscow State University)

Session Classification: Plenary Session

Contribution ID: 333

Type: **not specified**

Spin Physics: Experimental Summary

Thursday, April 30, 2009 3:05 PM (25 minutes)

Presenter: GAGLIARDI, Carl (Texas A&M University)

Session Classification: Plenary Session