



Parallel sessions HEP2003 (as of July 16, 2003)

Session Title: Heavy Flavour Physics (1)

Lecture Hall: Fo2

Date: Thursday, July 17

B Physics at High Energy Colliders

- 9:00 B-Hadron Masses and Branching Ratios at CDF
Saverio D'Auria (Glasgow)
- 9:20 D0 B physics
Mike Hildreth (Notre Dame)
- 9:35 J/ψ , B Lifetime and flavour tagging at CDF
Sinead Farrington (Glasgow)
- 9:55 B production and oscillations at DELPHI
Gary Barker (Karlsruhe)
- 10:15 B physics at OPAL
David Waller (Carleton)

10:30 Coffee break

V_{cb} , V_{ub} and Baryonic B Decays

- 11:00 B semileptonic decays at DELPHI
Arancia Oyanguren Campos (Valencia)
- 11:15 V_{cb}, V_{ub} and semileptonic decays at BaBar
Urs Langenegger (SLAC)
- 11:35 V_{cb}, V_{ub} and HQET at CLEO
Karl Ecklund (Cornell)
- 11:55 V_{cb}, V_{ub} , HQET at Belle
Christoph Schwanda (KEK)
- 12:15 Baryonic B decays at Belle
Hsuan-Cheng Huang (National Taiwan U.)

12:30 End

Session Title: Physics beyond the Standard Model (1)

Lecture Hall: Fo3

Date: Thursday, July 17

Search for Higgs Boson beyond the SM

- 9:00 Flavor and Model Independent Higgs Searches
Maarten Boonekamp (CERN)
- 9:18 Fermiophobic Higgs Searches
Drew Baden (Maryland Univ.)
- 9:36 Search for SUSY Neutral Higgs and interpretations
Philip Bechtle (DESY)
- 9:54 Search for $H/A \rightarrow \mu\mu$ the LHC
Silvia Arcelli (Bologna Univ. and INFN)
- 10:12 Little Higgs Phenomenology
Heather E. Logan (Wisconsin Univ.)

10:30 Coffee break

- 11:00 Prospects for Little Higgs Models at the LHC
Eduardo Ros (Valencia Univ.)

Supersymmetry Searches and Prospects

- 11:18 Gaugino Searches and SUSY Model Constraints
Paolo Azzurri (CERN)
- 11:36 Search for MSSM/SUGRA at Tevatron II
Martin Wegner (RWTH Aachen)
- 11:54 Search for sfermions (except stop, sbottom)
Isabel Trigger (CERN)
- 12:12 Search for top and bottom squarks
Carsten Rott (Purdue Univ.)

12:30 End

Session Title: Hadronic Physics (1)

Lecture Hall: Fo4

Date: Thursday, July 17

Hadronic Physics, Part 1

- 9:00 Measurements of meson production in ep scattering at H1
B. List (ETH Zuerich)
- 9:25 Exclusive vector meson production at ZEUS
M. Helbich (Columbia University)
- 9:40 Exclusive vector meson production and DVCS at HERMES
R. Shanidze (Erlangen)
- 10:00 DVCS and lightcone wavefunction results from ZEUS
J. Ukleja (Warsaw)
- 10:15 Studies of DVCS and large $|t|$ photon production with the H1 detector
L. Favart (ULB Bruxelles)

- 10:30 Coffee break

- 11:00 Testing BFKL using high- t vector meson production
J. Forshaw (Manchester)
- 11:15 Strangeness in DIS
B. Levchenko (SINP, Moscow)
- 11:35 Baryon Number Transfer and Factorization in Soft Hadronic Interactions at the CERN
SPS
D. Varga (Eotvos Lorand University)
- 11:55 Properties of the η' meson
A. Parkhomenko (Bern)
- 12:10 Hyperfine splitting in q - \bar{q} states: Chiral symmetry and hyperfine potentials
F.J. Llanes Estrada (Complutense, Madrid)

- 12:25 End

Session Title: Hard QCD (1)

Lecture Hall: Fo5

Date: Thursday, July 17

Structure Functions and Event Shapes

- 9:00 Neutral and Charged Current Cross Sections and Measurements of F_2 , F_L and xF_3 at High Q^2 at HERA
Matthias Moritz (CERN)
- 9:20 QCD Analysis of the ep Neutral and Charged Current Cross Sections and Determination of PDFs and α_s
Eram Rizvi (University of Birmingham)
- 9:35 Measurement of F_2 and F_L at low Q^2 in ep Interactions at HERA
Tomas Lastovicka (DESY-Zeuthen)
- 9:50 QCD Saturation and Soft Processes
Errol (Asher) Gotsman (Tel Aviv)
- 10:05 Measurements of the Photon Structure Function at LEP
Albert de Roeck (CERN)
- 10:30 Coffee break
- 11:00 Polarized Quark Distributions extracted from inclusive and semi-inclusive deeply inelastic scattering at HERMES
Patricia Liebing (DESY)
- 11:15 Order $(\alpha_s)^2$ Corrections to Semi-inclusive DIS
Rodolfo Sassot (Buenos Aires)
- 11:30 Dijet Event Shapes
Carola F. Berger (Stony Brook)
- 11:45 Measurements of α_s from Event Shapes at LEP
Sunanda Banerjee (TIFR Bombay & CERN)
- 12:00 Studies of QCD at LEP2
Hasko Stenzel (Giessen)
- 12:15 Measurements of Event and Jet Shapes at HERA
Thomas Kluge (RWTH Aachen)
- 12:30 End

Session Title: Particle Astrophysics (1) (Dark Matter)

Lecture Hall: Fo6

Date: Thursday, July 17

Dark Matter

- 9:00 Review of recent progress in SUSY WIMP Theory
Leszek Roskowski (CERN)
- 9:35 DAMA results and perspectives
P. Belli (Rome)
- 9:51 The GENIUS test facility in Gran Sasso
H.V. Klapdor-Kleingrothaus (MPI Heidelberg)
- 10:07 CDMSII, the cryogenic dark matter search experiment
R. Gaitskell (Brown University)
- 10:23 Latest results from the EDELWEISS WIMP search
L. Chabert (IN2P3, Paris)

- 10:39 Coffee break

- 11:10 Dark matter search at Boulby mine
R. Luscher (Rutherford)
- 11:26 Prototype development for the XENON dark matter search experiment
R. Gaitskell (Brown University)
- 11:42 ANTARES status report
U. Katz (Erlangen)
- 11:58 Search for dark matter with AMS
M. Sapinski (IN2P3, Paris)
- 12:14 Search for supersymmetric dark matter with GLAST
A. Morselli (Rome)
- 12:30 A global fit to galactic positrons, antiprotons and gamma rays including
superersymmetric dark matter
W. de Boer (Karlsruhe)

- 12:46 End

Session Title: Non perturbative Field Theory

Lecture Hall: Fo7

Date: Thursday, July 17

Non-perturbative Field Theory

- 9:00 Hopf algebra structures in particle physics
Stefan Weinzierl (Parma University)
- 9:25 Perturbative and non-perturbative aspects of heavy-quark fragmentation
Einan Gardi (CERN and Regensburg Universitat)
- 9:50 A lattice perspective of kaon phenomenology
Leonardo Giusti (CERN)
- 10:15 Compact U(1) gauge theories in 2+1 dimensions and the physics of low dimensional insulating materials
Flavio Nogueira (Freie Universitat Berlin)

- 10:40 Coffee Break

- 11:10 Status of lattice calculations of B meson decays and mixing
Hartmut Wittig (DESY)
- 11:35 Lifetimes, Width Differences and CP-violation Parameters of B mesons from Lattice QCD
Cecilia Tarantino (Rome III)
- 12:00 A non perturbative computation of the B-meson decay constant and the b-quark mass in HQET
Jochen Heitger (Münster)

- 12:25 End

Session Title: Heavy Flavour Physics (2)

Lecture Hall: Fo2

Date: Thursday, July 17

Misc. Heavy Flavour I and Charmed B Decays

- 14:30 B production in Onium Decay and Onium production in B decay - a mini-review
Chris Hearty (British Columbia)
- 14:50 The new narrow D_S states -- a mini-review
Frank C. Porter (CalTech)
- 15:10 B decays into charm at CLEO
Istvan Danko (RPI)
- 15:25 Charmed B decays at Belle
Shiro Suzuki (Yokkaichi)
- 15:40 B hadron decays into charm at BaBar
Vincent Tisserand (Annecy)

15:55 Coffee break

Charmless B Decays and Misc. Heavy Flavour II

- 16:30 Charmless B decays at Belle
Leo Piilonen (Virginia Polytechnic)
- 16:50 Charmless B final states at BaBar
Jose Ocariz (Paris)
- 17:10 Charmless b final states with CLEO
Richard Ehrlich (Cornell)
- 17:25 Double c cbar production at Belle
Timofey Uglov (ITEP)
- 17:40 A mini-review on top quark properties
Wolfgang Wagner (Karlsruhe)

17:55 End

Session Title: CP Violation (1)

Lecture Hall: Fo3

Date: Thursday, July 17

CP Violation, Part 1

- 14:30 New NA48 results on CP violation
Cristina Lazzeroni (Cambridge University)
- 14:50 Theoretical status on CP violation in Kaon decays
V. Cirigliano (IFIC Valencia)
- 15:10 Measurement of η_{000} in K^0 to $3\pi^0$ decays from NA48
Nicolo Cartiglia (Torino University)
- 15:20 Time dependent studies of CP Violation in B decays to $D^{(*)}D^{(*)}$ and $J/\psi K^*$ in BaBar and Belle
L. Vitale (INFN-Trieste)
- 15:40 Time dependent studies of CP Violation in B decay to $K\pi$, $K\eta$, $K\phi$... in BaBar and Belle
J. MacNaughton (Institute of High Energy Physics, Vienna)

16:00 Coffee break

CP Violation, Part 2

- 16:30 Effects of New Physics on CP violation in B decays
G. W.S. Hou (National Taiwan University)
- 16:50 Results on CP Violation from D^0
Paul Balm (NIKHEF)
- 17:10 Results on CP Violation from CDF
S. Giagu (University of Roma 1)
- 17:30 Results on CP Violation from CLEO
V. Pavlunin (Purdue University)
- 17:45 Results on direct CP violation in 2 body (P-P) B decays in BaBar and Belle
P. Chang (National Taiwan University)

18:05 End

Session Title: Hadronic Physics (2)

Lecture Hall: Fo4

Date: Thursday, July 17

Hadronic Physics, Part 2

14:30 Inclusive diffractive DIS at ZEUS

G. Wolf (DESY)

14:50 Inclusive measurements of diffractive DIS at H1

P. Thompson (University of Birmingham)

15:10 Studies of the final states in diffractive interactions at H1

F.-P. Schilling (DESY)

15:30 Final states in interactions with leading baryon production at ZEUS

T. Koop (Toronto)

15:50 Analysis of Forward Scattering Data

E. Martynov (Liège)

16:05 Coffee break

16:30 Results on diffraction from CDF

K. Terashi (Rockefeller)

16:50 Results on diffraction from D0

B. Casey (Brown University)

17:10 Diffractive Higgs Production and SCI

R. Enberg (Uppsala)

17:25 Diffractive Higgs Production at TeVatron and LHC

C. Royon (Saclay)

17:40 Multiple Interactions in Hadron-Hadron Collisions

P. Skands (Lund)

17:55 End

Session Title: Tests of the Standard Model (1)

Lecture Hall: Fo5

Date: Thursday, July 17

Introductory Electroweak Session

14:30 Higher-order Results in the Electroweak Theory

Georg Weiglein (Durham U., IPPP)

14:55 Electroweak Corrections to $e^+ e^- \rightarrow f \text{ Anti-}f H$

Markus Roth (Karlsruhe U., ITT)

15:10 ECFA Summary

Maria Krawczyk (Warsaw U.)

15:25 Global Fit to Electroweak Precision Data

Guenter Quast (Karlsruhe U., EKP)

15:45 Global Fit to the CKM Matrix

Gerald Eigen (Bergen U.)

16:00 Coffee break

The Interplay between Electroweak Physics and QCD

16:30 τ Lifetime, Branching Ratios, and Spectral Functions

K.K. Gan (Ohio State U.)

16:55 QCD Corrections to Hadronic Z and τ Widths

Konstantin Chetyrkin (Freiburg U.)

17:10 Theoretical Evaluations of the Running Alpha and the Muon Magnetic Moment

Thomas Teubner (CERN)

17:30 The Hadronic Cross Section Measurement at KLOE

Marco Incagli (Pisa U.)

17:45 Radiative Return at Phi and B Factories

Johann Kühn (Karlsruhe U., ITT)

18:00 End

Session Title: Accelerator R&D (1)

Lecture Hall: Fo6

Date: Thursday, July 17

Accelerators for the High Energy Frontier

14:30 Hadron Colliders

P. J. Limon (Fermilab)

15:05 Linear Colliders

Reinhard Brinkmann (DESY)

15:40 The detector and interaction region for a photon collider at TESLA

Aura Rosca (DESY - Zeuthen)

15:55 Coffee break

16:30 Prototype for an undulator-based source for polarized positrons for a linear collider

Gudrid Moortgat-Pick (Durham)

16:45 Advanced Neutrino Beams

Robert Edgecock (Rutherford)

17:20 MICE: the international Muon Ionisation Cooling Experiment

Emilio Radicioni (INFN, Bari)

17:35 Muon Colliders: Accelerator challenges

Kara Hoffman (University of Chicago)

18:00 End

Session Title: Particle Astrophysics (2), Cosmic Rays

Lecture Hall: Fo7

Date: Thursday, July 17

Particle Astrophysics: Gammas, Neutrinos, CRs

- 14:30 Recent Results from HEGRA
Niels Goetting (University Hamburg)
- 14:50 Status of the H.E.S.S. experiment and first results
Paula Chadwick (University of Durham)
- 15:10 Status of the 17 m Diameter MAGIC Telescope
Razmick Mirzoyan (MPI München)
- 15:30 Cosmic-ray Astrophysics and Results from AMS
Joseph Burger (MIT)
- 15:50 Energy spectrum and elemental composition of cosmic rays in the PeV region
Andreas Huang (Institut für Kernphysik, Forschungszentrum Karlsruhe)

- 16:10 Coffee Break

- 16:40 Status , Performance and Perspectives of the Pierre Auger Observatory
Stefano Argiro (University Turino)
- 17:00 Ultra-high energy cosmic rays before AUGER's first results
Michael Kachelriess (MPI München)
- 17:15 Recent results from AMANDA
Wolfgang Rhode (University Wuppertal)
- 17:25 NESTOR Status Report
Apostolos Tsirigotis (Hellenic Open University)
- 17:35 Comparison of high-energy galactic and atmospheric τ neutrino flux
Guey-Lin Lin (NCTU Taiwan)

- 17:50 End

Session Title: Heavy Flavour Physics (3)

Lecture Hall: Fo2

Date: Friday, July 18

Heavy Flavour Theory 1

- 9:00 Spectator interactions and endpoint singularities in exclusive B meson decay
Thorsten Feldmann (CERN)
- 9:20 Factorization in radiative B-decays
Sebastien Descotes (Paris Sud)
- 9:40 Nonfactorizable effects in B to charmonium decays
Fulvia de Fazio (Bari)
- 9:55 Estimate of Charming Penguins in $B \rightarrow \pi\pi$
Blazenska Melic (Zagreb)
- 10:15 Evidence for Factorization in Three-body $B \rightarrow D^{(*)} K^- K^0$ Decays
Shang-Yuu Tsai (NTU Taiwan)

10:30 Coffee break

Heavy Flavour Theory 2

- 11:00 b to s transitions in SO(10) SUSY GUTs
Ulrich Nierste (Fermilab)
- 11:15 Renormalization-group evolution of the B-meson light-cone distribution amplitude
Bjorn O. Lange (Cornell)
- 11:35 Constraining the Unitarity Triangle with $B \rightarrow \rho\gamma$ and $B \rightarrow K^* \gamma$ decays
Stefan Bosch (Cornell)
- 11:55 Soft-Collinear Effective Theory approach to factorization in B decays
Enrico Lunghi (Zurich)
- 12:15 New Strategies to Extract Weak Phases from Neutral B Decays
Robert Fleischer (CERN)

12:35 End

Session Title: CP Violation (2)

Lecture Hall: Fo3

Date: Friday, July 18

CP Violation, Part 3

- 9:00 Results on direct CP violation in P-V and 3 body B decays in BaBar and Belle
P.-F. Giraud (CEA-Saclay)
- 9:20 CKM angles from non-leptonic B decays using SU(3) flavour symmetry
J. Matias (IFAE)
- 9:40 Studies of CP in charmless and strangeless B decays ($\pi\pi, \rho\pi \dots$) in BaBar
C. Yeché (CEA-Saclay)
- 10:00 Studies of CP in charmless and strangeless B decays ($(\pi\pi, \rho\pi \dots)$) in Belle
R. Itoh (KEK)

- 10:20 Coffee break

CP Violation, Part 4

- 11:00 CP violation in B Decays within QCD factorization
S. Safir (University of Munchen)
- 11:20 CP violation studies in $B \rightarrow D^{(*)}K^{(*)}$ and $DK\pi$ decays in BaBar and Belle
M. Rozanska (H. Niewodniczanski Institute of Nuclear Physics, Krakow)
- 11:40 CP violation studies in $B \rightarrow D^{*}\pi$ in BaBar and Belle
D. Boutigny (IN2P3-Annecy)
- 12:05 CP violation in rare radiative B decays
T. Hurth (CERN)
- 12:25 Search for T, CP and CPT violation in B-Bbar oscillations
W. Verkerke (University of California Santa Barbara)

- 12:40 End

Session Title: Hadronic Physics (3)

Lecture Hall: Fo4

Date: Friday, July 18

Hadronic Physics, Part 3

- 9:00 Spectroscopic studies at CLEO
H. Vogel (Carnegie Mellon)
- 9:20 Spectroscopy and hadronic spectra at BaBar
BABAR (To be announced)
- 9:40 Spectroscopy and light quark fragmentation at Belle
R. Seuster (Hawaii)
- 10:00 Recent results on charm meson decays at FOCUS
D. Pedrini (INFN Milano)
- 10:15 The coupling $g(f_0 K^+ K^-)$ and the structure of the $f_0(980)$
F. de Fazio (Bari)

- 10:30 Coffee break

- 11:00 η_c and η_b in two-photon collisions
M. Shapkin (Protvino)
- 11:15 Exclusive production of hadron pairs in two-photon interactions
B. Echenard (Geneva)
- 11:30 Analyses of $K_S K_S$ and $\pi^+ \pi^- \pi^0$ final states in two photon collisions
I. Vorobiev (CMU)
- 11:45 Hadron production at SLD and BaBar
D. Muller (SLAC)
- 12:00 Results from TRISTAN
M.E. Zomorrodian (Tehran)
- 12:15 Multiplicities at LEP and particle production in Z decays
E. Sarkysian-Grinbaum (CERN)

- 12:30 End

Session Title: Hard QCD (2)

Lecture Hall: Fo5

Date: Friday, July 18

Jets, Hadronic Final States, and Prompt Photons

- 9:00 Inclusive Jet Production at the TeVatron, PDFs and the Search for New Physics
Hung-Liang Lai (TMTC)
- 9:15 Measurements of the Inclusive Jet and Dijet Mass Cross Sections with the D0 Detector
Alexander Kupco (Prague)
- 9:30 Measurements of Jet and Multijet Cross Sections with the CDF Detector
Matthias Tönnemann (MPI Munich/Michigan State U)
- 9:45 Studies of Jet Shapes and Fragmentation Differences of Quark and Gluon Jets with the CDF Detector
Andrey Korytov (Florida)
- 10:00 Jet and Dijet Production at LEP2
Thorsten Wengler (CERN)
- 10:15 Studies of W+jets and Prompt Diphoton Production with the CDF Detector
Soushi Tsuno (University of Tsukuba)
- 10:30 Coffee break
- 11:00 Studies of Inclusive Jets Production in ep Interactions at HERA
Monica Vazquez (Madrid)
- 11:20 Studies of Dijets Production in ep Interactions at HERA
Liang Li (Wisconsin)
- 11:40 Prompt Photon Production with Associated Jets at HERA
David Saxon (Glasgow)
- 11:55 Studies of Two-Photon Collisions at LEP2
Imre Pal (Purdue University)
- 12:15 Study of Low x Dynamics Using Dijets and Forward Jets & π^0 s
Roman Poeschl (DESY)
- 12:30 End

Session Title: Joint Session: Accelerator R&D (2), High Energy Nuclear Physics (1)

Lecture Hall: Fo6

Date: Friday, July 18

Accelerator R&D, Selected Accelerator R&D Topics

- 9:00 Review of Advanced Techniques in Accelerator Applications
Sergio Tazzari (Univ. di Roma "Tor Vergata")
- 9:45 Linac-Ring type colliders: second way to TeV scale
Saleh Sultansoy (Gazi University, Ankara)
- 10:05 Precision measurement of positron beam polarisation at HERA II
Jenny Boehme (DESY)

10:20 Coffee break

High Energy Nuclear Physics, Part 1

- 11:00 Recent results from RHIC
David Hofman (University of Chicago)
- 11:25 Measurement of J/ψ Production in Proton-Proton Collisions by the PHENIX Experiment
Nichelle Bruner (affiliation t.b.a.)
- 11:40 Energy and Centrality Dependence of Charged Particle Production in Au+Au and d+Au Collisions at RHIC Energies
Gerrit van Nieuwenhuizen (MIT)
- 11:55 The study of freeze-out temperatures and transverse flow velocities in Au-Au collisions at BRAHMS Experiment
Oana Ristea (University of Bucharest, Romania)
- 12:10 Color superconductor with a color-sextet condensate
Tomas Brauner (affiliation t.b.a.)
- 12:20 Color superconductivity at intermediate densities
Jeff Bowers (affiliation t.b.a.)

12:30 End

Session Title: String Theory and Extra Dimensions

Lecture Hall: Fo7

Date: Friday, July 18

String Theory and Extra Dimensions

- 9:00 String Theory: a Short Overview
Lars Brink (Chalmers University)
- 9:20 D-branes, fluxes and supersymmetry breaking
T. Taylor (Northeastern Univ., CERN)
- 9:50 Can power corrections be reliably computed in models with extra dimensions?
J. Papavassiliou (Valencia University)
- 10:10 Supersymmetry breakdown on a hidden brane
H.P. Nilles (Bonn University)

- 10:40 Coffee break

- 11:10 Physics with large extra dimensions
I. Antoniadis (CERN)
- 11:35 Current experimental bounds on extra dimensions
S. Mele (CERN)
- 12:05 Search for extra dimensions with ATLAS at LHC
L. Vacavant (LBL, Berkeley)
- 12:25 Black hole production at future colliders and in cosmic rays
G. Landsberg (Brown University)

- 12:50 End

Session Title: Neutrino Properties and Oscillations (1)

Lecture Hall: Fo2

Date: Friday, July 18

Neutrino Masses and Properties

- 14:30 Neutrino physics from cosmology
S. Hannestad (Nordita)
- 15:00 Results from the Mainz Neutrino Mass Experiment
Christine Kraus (Mainz University)
- 15:15 KATRIN- measuring sub-eV neutrino masses
Guido Drexlin (Forschungszentrum Karlsruhe)
- 15:30 First results of NEMO3 experiment
Laurent Simmard (LAL, Orsay)
- 15:45 Preliminary results on the search for the neutrinoless double beta decay of ^{130}Te with the Cuoricino experiment
Angelo Nucciotti (Milano)

16:00 Coffee break

Neutrino Masses and Properties/ Neutrino Oscillations I

- 16:30 COBRA - A new approach to double beta decay
K. Zuber (Oxford)
- 16:45 A Search of Neutrino Magnetic Moment at the Kuo-Sheng Power Reactor
Hau-Bin Li (Academia Sinica, Taiwan)
- 17:00 Recent Results from the Sudbury Neutrino Observatory
A. Poon (LBL)
- 17:15 Final results of the MACRO experiment on atmospheric neutrino oscillations
G. Giacomelli (INFN Bologna)
- 17:30 Status of the Super-Kamiokande, the K2K-2 experiment and JHF ν project
Y. Hayato (KEK)

17:50 End

Session Title: Physics beyond the Standard Model (2)

Lecture Hall: Fo3

Date: Friday, July 18

Supersymmetry Searches and Prospects

- 14:30 New ideas on SUSY Searches at Future Linear Colliders
Stefan Hesselbach (Vienna Univ.)
- 14:48 Search for SUSY in GMSB and AMSB Models
Thomas Nunnemann (Munich Univ.)
- 15:06 Search for RPV SUSY
Christian Schwanenberger (DESY)

Leptoquarks and Lepton Flavor Violation

- 15:24 Search for Leptoquark Production and Lepton Flavor Violation
Aleksander Filip Zarniecki (Warsaw Univ.)
- 15:42 Grand Unified Inflation and Leptogenesis
Qaisar Shafi (Bartol Research Inst.)

16:00 Coffee Break

Anomalous Heavy Quark Couplings (FCNC)

- 16:30 Single Top Production via FCNC
James Ferrando (Oxford Univ.)
- 16:48 FCNC Processes in Rare Decay Modes
Mark Convery (SLAC)
- 17:06 Non-diagonal flavour observables in B-physics
Werner Porod (Zürich University)

Extensions of the Standard Model

- 17:24 Search for (Singly and Doubly) Charged Higgses
Javier Cuevas (IFCA/Oviedo Univ.)
- 17:42 Search for Extra Dimensions at Hadron Colliders
Michiel Sanders (Manchester Univ.)

18:00 End

Session Title: Joint Session: Hadronic Physics (4), Hard QCD (3)

Lecture Hall: Fo4

Date: Friday, July 18

Hadronic Physics, Part 4

- 14:30 Charm Results from BES
Jiang Chuan Chen, (Beijing, Hawaii)
- 15:00 Results from KLOE
E. Santovetti (INFN Roma 2)
- 15:25 Recent results from the study of hadronic production with the CMD-2 and SND detectors at the VEPP-2 collider
D. Grigoriev (Budker Institute of Nuclear Physics)
- 15:45 Kaon and Cascade decays at NA48
M. Piccini (Perugia)

16:05 Coffee break

Hard QCD (3)

Theory

- 16:30 Associated Higgs Production with Heavy Quarks: Impact of NLO QCD Corrections
Laura Reina (Florida State U.)
- 16:45 Higgs Boson Production in Bottom Quark Fusion at NNLO
Robert Harlander (CERN)
- 17:00 Resummed Jet Rates for Heavy Quark Production in e^+e^- Annihilation
German Rodrigo (CERN)
- 17:15 Improving Multiparton MC Tools in Hadronic Collisions
Fulvio Piccinini (CERN)
- 17:30 Extraction of the x -dependence of the Non-perturbative QCD b -quark Fragmentation Distribution Component
Eli Ben-Haim (Paris)
- 17:45 Infrared divergences at NNLO
Stefan Weinzierl (University of Parma)

18:00 End

Session Title: Tests of the Standard Model (2)

Lecture Hall: Fo5

Date: Friday, July 18

Standard Model Tests at Hadron Facilities

- 14:30 Electroweak $O(\alpha)$ Corrections to Neutrino-Nucleus Scattering
Kai-Peer Diener (PSI, Villigen)
- 14:45 Higher-order QED Corrections to W Boson Mass Determination at Hadron Colliders
Guido Montagna (Pavia U.)
- 15:00 Electroweak Physics with CDF
Antonio Sidoti (Pisa U.)
- 15:20 Electroweak and Higgs Physics with D0
Nikos Varelas (Illinois U., Chicago)
- 15:45 B Quark Production Cross Sections and Anomalies
Douglas Ross (Southampton U.)
- 16:00 Coffee break
- 16:30 Top Quark Physics with D0
Markus Warsinsky (Bonn U.)
- 16:45 Top Quark Mass Measurements at the Tevatron
Takasumi Maruyama (Chicago U.)
- 17:05 Electroweak Physics and Top Quark Mass at the LHC
Catherine Mackay (Bristol U.)
- 17:25 Theoretical Aspects of Higgs Physics at the LHC
Mauro Moretti (Ferrara U.)
- 17:40 Standard Model Higgs Searches at CERN
Michael Dürßen (Freiburg U.)
- 18:00 End

Session Title: Detectors and Data Handling (1)

Lecture Hall: Fo6

Date: Friday, July 18

Particle ID, Data Handling

- 14:30 Performance of the D0-Experiment in Run-II
David Buchholz (Northwestern University)
- 14:45 The BTeV detector
Eric Vaandering (FNAL)
- 15:00 RICH detectors in b-Experiments
Peter Krizan (Ljubljana University and J. Stefan Institute)
- 15:15 The CMS Muon Detector
Marcos Cerrada (CIEMAT)
- 15:30 Precision Chambers for the ATLAS Muon-Spectrometer
Susanne Mohrdiek (MPI Muenchen)
- 15:45 The Alignment System of the ATLAS Muon Spectrometer
Christoph Amelung (CERN)

- 16:00 Coffee break

- 16:30 CDF Run 2 Muon Detector System
Camille Ginsburg (Wisconsin University)
- 16:45 Test beam results on the ATLAS liquid argon electromagnetic calorimeter
Lucia Di Ciaccio (LAPP Annecy France)
- 17:00 Distributed computing concepts in DØ
Daniel Wicke (Uni Wuppertal)
- 17:15 The CDF Run II Data Handling System
Fedor Ratnikov (Rutgers University)
- 17:30 Physics of Shower Simulation at LHC (Geant4)
Johannes Peter Wellisch (CERN)
- 17:45 Recent Developments in Diamond Detectors
Alexander Oh (CERN)

- 18:00 End

Session Title: Rare Decays (1)

Lecture Hall: Fo7

Date: Friday, July 18

Rare Decay I: $b \rightarrow s, d \gamma$ -Transitions and Amplitude Study of η -Mesons

14:30 Review on $b \rightarrow s, d \gamma$ Transitions (inclusive and exclusive) by BABAR
Eugeni Grauges (SLAC & University of Barcelona)

14:50 Review on Radiative Penguin Decays by Belle
Patrick Koppenburg (KEK)

15:10 Recent Theoretical Developments in $B \rightarrow X_S \gamma$ Decay
Christoph Greub (Bern U)

15:35 Theoretical Review of $B \rightarrow K^* \gamma$ and $B \rightarrow \rho \gamma$ Decays in the SM and
Supersymmetric Theories
Enrico Lunghi (Zuerich U)

16:00 Coffee break

Rare Decay II: Rare B Decays with Lepton Final States and Rare τ Decays

16:30 $B \rightarrow K^{(*)} \ell \ell$
Anders Ryd (Caltech)

16:45 Theoretical Review of $B \rightarrow X_S \ell \ell$ Decays
Tobias Hurth (CERN)

17:05 $B \rightarrow \ell \ell$, $B \rightarrow \tau \nu$ and $B \rightarrow K \nu \nu$ by BABAR
Concetta Cartaro (Napoli U)

17:20 Theoretical Status of the Decay $B \rightarrow \ell \nu \gamma$
Stefan Bosch (Cornell U)

17:35 Rare τ^- Decays
Takayoshi Ohshima (Nagoya U)

17:50 End

Session Title: Neutrino Properties and Oscillations (2)

Lecture Hall: Fo2

Date: Saturday, July 18

Neutrino Oscillations II

- 9:00 Status of MINOS
P. Shanahan (Fermilab)
- 9:45 The OPERA experiment
J.E.Campagne (LAL,Orsay)
- 9:30 Results from the first ICARUS T600 module
J. Rico (ETH-Zurich)
- 9:45 The NuMI Off-axis experiment
A.Weber (RAL and Oxford)
- 10:00 Next generation long baseline experiments on the path to leptonic CP violation
F.Terranova (INFN, Laboratori Nazionali Frascati)
- 10:15 Neutrino Physics at Neutrino Factories
P. Huber (TU Muenchen)

- 10:30 Coffee break

Phenomenology

- 11:00 Status of Neutrino Masses and Mixing
C. Giunti (INFN, Torino)
- 11:25 Neutrino masses and mixing: what do they mean?
F. Vissani (INFN)
- 11:50 Random Matter Density Perturbations and LMA
N. Reggiani (Pontificia Universidade Catolica de Campinas)
- 12:05 The neutrino charge radius as a physical observable
J. Papavassiliou (Universidad de Valencia)
- 12:20 Leptogenesis and low energy observable
W. Rodejohann (Sissa)

- 12:35 End

Session Title: Physics beyond the Standard Model (3)

Lecture Hall: Fo3

Date: Saturday, July 19

Extensions of the Standard Model

9:00 Extra Dimensions with Brane Localized Kinetic Terms
Francisco del Aguila (Granada Univ.)

Contact Interactions and Compositeness

9:18 Search for Four-fermion Contact Interactions
Corinne Goy (LAPP (Annecy))

9:36 Search for Excited Fermions
Eusebio Sanchez (CIEMAT (Madrid))

Other Phenomenological Searches/Prospects

9:54 Search for Physics BSM in $t\bar{t}$ Production
Petra Merkel (Fermilab)

10:12 General Search for New Particles or Gauge Bosons Decaying into Dileptons or Dijets
Mario Paolo Giordani (California Univ., Davis)

10:30 Coffee break

11:00 Searches for Magnetic Monopoles at HERA
Dave Milstead (Liverpool Univ.)

11:18 Generic Searches at HERA
Martin Wessels (RWTH Aachen)

11:36 BSM Searches in Single and Multiphoton Final States at LEP
Marat Gataullin (CalTech)

11:54 BSM Searches in Photonic Final States at Tevatron
Beate Heinemann (Liverpool Univ.)

12:12 Interplay between the LHC and a Linear Collider in Searches for New Physics
Georg Weiglein (Durham Univ.)

12:30 End

Session Title: Tests of the Standard Model (3)

Lecture Hall: Fo4

Date: Saturday, July 19

Electroweak Physics at LEP

- 9:00 W Boson Mass and Width Measurements at LEP 2
Mark Thomson (Cambridge U.)
- 9:25 Final State Correlations at LEP 2
Paul de Jong (NIKHEF, Amsterdam)
- 9:40 Color Reconnection at LEP 2
Jorgen D'Hondt (Vrije U., Brussels)
- 10:00 Fermion Pair Production at LEP 2
Georgios Anagnostou (Birmingham U.)
- 10:15 Four-Fermion Final States and Photoproduction at LEP 2
Maurizio Bonesini (Milan Bicocca U.)

- 10:30 Coffee break

- 11:00 W and Z Pair Production and Branching Ratios at LEP 2
Sonia Natale (Geneva U.)
- 11:20 Triple and Quartic Gauge Couplings at LEP 2
Renaud Bruneliere (Annecy, LAPP)
- 11:45 W Studies at LEP 2
Radoslaw Ofierzynski (Zurich, ETH)
- 12:05 Heavy Quark Forward-Backward Asymmetries using a Lepton Tag
Thomas Kraemer (Hamburg U.)
- 12:15 Heavy Flavor Results from LEP 1
Markus Elsing (CERN)

- 12:30 End

Session Title: Hard QCD (4)

Lecture Hall: Fo5

Date: Saturday, July 19

Heavy Flavour Production

- 9:00 Top Quark Production at the TeVatron at NNLO
Nikolaos Kidonakis (University of Cambridge)
- 9:15 Top Quark Spin Correlations at Hadron Colliders: Predictions at NLO QCD
Arnd Brandenburg (DESY)
- 9:30 Top Quark production at the TeVatron
Elizaveta Shabalina (University of Illinois, Chicago)
- 9:45 Bottom and Charm Quark Production in CDF at CMS Energies of 1.96 TeV
Tara Shears (University of Liverpool)
- 10:00 Measurements of Beauty Production Cross Sections at HERA
Olaf Behnke (University of Heidelberg)
- 10:15 Measurements of b-quark Mass Effects in Multijet Production at LEP
Juan FUSTER (Valencia)
- 10:30 Coffee break
- 11:00 Bottom and Charm Quark Production in Two-Photon Collisions at LEP
Wilfrid da Silva (Paris VI)
- 11:15 $B\bar{B}$ Energy Correlations in Z^0 Decays
Phil Burrows (Queen Mary U., London)
- 11:30 Open Charm Production in DIS at HERA
Sergei Chekanov (ANL)
- 11:45 Photoproduction of Open Charm at HERA
Karin Daum (Bergische Univ, Wuppertal)
- 12:00 Inelastic Production of J/ψ Mesons at HERA
Riccardo Brugnera (Padova)
- 12:15 QCD at LHC with ATLAS
Theodota Lagouri (Thessaloniki)
- 12:30 End

Session Title: High Energy Nuclear Physics (2)

Lecture Hall: Fo6

Date: Saturday, July 19

High Energy Nuclear Physics, Part 2

- 9:00 Low p_T Spectra of Identified Charged Particles in Au+Au Collisions from PHOBOS Experiment
Adam Trzupek (Institute of Nuclear Physics, Cracow, Poland)
- 9:15 Identified High p_T Charged Hadron Production at BRAHMS
Zhongbao Yin (University of Bergen, Norway)
- 9:25 Charged hadron transverse momentum spectra in d+Au and Au+Au at $\sqrt{(s_{NN})} = 200$ GeV
Rachid Nouicer (BNL)
- 9:45 Jet Tomography in AuAu Collisions at RHIC Energies
G.G. Barnafoldi (RMKI, Budapest, Hungary)
- 10:05 Heavy ion physics with the ATLAS detector at LHC
Pavel Nevski (CERN)
- 10:20 Coffee break

High Energy Nuclear Physics, Part 3

- 11:00 On the Evolution of Strangeness in Centrality Controlled pA Collisions at the CERN SPS
Ondrej Chvala (Prague)
- 11:15 Hyperon production in lead-lead interactions at 40 and 160 A GeV/c
Havard Helstrup (Bergen University College, Norway)
- 11:30 Strangeness Production in Heavy Ion Collisions at SPS Energies
Andre Mischke (GSI, Germany)
- 11:45 Strangeness production in $\sqrt{(s_{NN})} = 200$ GeV AuAu Collisions at RHIC
Jens I. Jordre (University of Bergen, Norway)
- 12:00 Conditions for deconfinement and freeze-out of hadronic matter
Volodymyr Magas (CFIF, Lisbon, Portugal)
- 12:15 Hydrodynamic expansion near the chiral critical point
Kerstin Paech (University of Frankfurt)
- 12:30 End

Session Title: Rare Decays (2)

Lecture Hall: Fo7

Date: Saturday, July 19

Rare Decays III: Rare Charm, Kaon and Phi Decays

- 9:00 Rare Charm Decays from CLEO
Yongsheng Gao (SMU)
- 9:15 Rare Charm Decays from FOCUS
Angel Lopez (Puerto Rico U)
- 9:30 Rare Charm Decays from CDF
Julia Thom (Fermi Lab)
- 9:45 Rare K Decays
Riccardo Fantechi (Pisa U)
- 10:05 Rare Phi Decays
Camilla Di Donato (INFN Napoli)
- 10:20 An Analysis of Inclusive Decay $\Upsilon(4S) \rightarrow \eta$ -meson distribution amplitude
Alexander Parkhomenko (Bern U & Yaroslavl U)

- 10:35 Coffee break

Rare Decays IV: Rare Hadronic B-Decays, Heavy-to-Light Form Factors and Rescattering

- 11:00 Non-leptonic Rare B-decays by Belle
Chung Hsiang Wang (National Lien-Ho Institute)
- 11:20 Non-leptonic Rare B-decays by BABAR
David Payne (Liverpool U)
- 11:40 Non-leptonic Rare B-decays by CLEO
Jana Thayer (Rochester U)
- 11:35 Non-valence Fock states and Heavy-to-light Form Factors
Bjorn Lange (Cornell U)
- 11:50 Indications for Large Rescatterings in Rare B Decays
G.W.S. Hou (National Taiwan U)

- 12:05 End

Session Title: Detectors and Data Handling (2)

Lecture Hall: Fo8

Date: Saturday, July 19

Tracker, Trigger

- 9:00 The MINOS Detector
Christopher Smith (Caltech)
- 9:15 TPC in Heavy Ion experiments
Jørgen Lien (Høgskolen i Bergen)
- 9:30 The CDF Silicon Tracker Upgrade for Run IIb
Gino Bolla (Purdue University)
- 9:45 Performances of the Atlas and CMS Silicon Tracker
Alessia Tricomi (Catania University)
- 10:00 Development of a TPC for the Future Linear Collider
Stefan Roth (RWTH Aachen)
- 10:15 Instrumentation of the forward region of the TESLA detector
Karsten Buesser (DESY Hamburg)

- 10:30 Coffee break

- 11:00 RPC's detectors in running and future experiments
Giacomo Luca Bruno (CERN)
- 11:15 Tracking Algorithms Used in Heavy Ion Collisions at RHIC-BNL
Catalin Ristea (Space Sciences Bucharest-Magurele)
- 11:30 The CMS first level trigger system
Dave Newbold (CERN)
- 11:45 CMS High Level Trigger Selection
Giuseppe Bagliesi (INFN Pisa)
- 12:00 ATLAS reconstruction software
David Rousseau (Laboratoire de l'Accelérateur Linaire)
- 12:15 The High-Level Trigger of the ALICE Experiment
Heinz Tilsner (KIP Heidelberg)

- 12:30 End

ECFA-EPS joint session: Road Map for High Energy Physics
Saturday July 19th

Lecture Hall: Fo2

Date: Saturday, July 19

Chair B. Foster, Bristol University

Contributions by:

14:30 B. Foster, Bristol University

15:00 L. Maiani, CERN

15:30 A. Wagner, DESY

16:00 Coffee break

16:30 H. Montgomery Fermilab

17:00 F. Takasaki, KEK

17:30 P. Drell, SLAC (not yet confirmed)

18:00 End