ICHEP2000 Scientific Program Thursday, July 27

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PA-03a

Hard Interactions (QCD JET STUDIES)

Chair: Alfred T. Goshaw (Duke University)

Thursday, July 27 10:30 - 12:30

Sakura West

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10:30 - 10:50 (17 + 3 min)
Jet Production in DIS at HERA
Joerg Gayler (DESY)

10:50 - 11:05 (12 + 3 min)
Determination of the strong coupling and the gluon density from jet
Enrico Tassi (NIKHEF)

11:05 - 11:20 (12 + 3 min)
Jet production measurements in $\bar{p}$-p collisons at $\sqrt{s} = 1800\mathrm{GeV}$ using the D0 detector
Nikos Varelas (University of Illinois at Chicago)

11:20 - 11:35 (12 + 3 min)
Jet production measurements in $\bar{p}$-p collisons at $\sqrt{s} = 630$ and $1800\mathrm{GeV}$ using the D0 detector
Bernard G Pope (Michigan State University)

11:35 - 11:55 (17 + 3 min)
Jet structure studies at LEP
J.William Gary (University of California, Riverside)

11:55 - 12:10 (12 + 3 min)
Jet structure studies at the Tevatron
Anwar Ahmad Bhatti (Rockfeller University)

12:10 - 12:30 (17 + 3 min)
Three jet production at next-to-leading order
William B Kilgore (BNL)

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PA-03b

Hard Interactions (STRUCTURE FUNCTIONS)

Chair: Eckhard E. Elsen (DESY)

Thursday, July 27 14:00 - 15:30

Sakura West

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14:00 - 14:20 (17 + 3 min)
Proton structure function F_2
Kunihiro Nagano (DESY / KEK-IPNS)

14:20 - 14:35 (12 + 3 min)
Proton structure functions F_2 and F_L
Fabian Zomer (LAL-ORSAY)

14:35 - 14:50 (12 + 3 min)
Charm contributions to the proton structure function
Ekaterini Tzamariudaki (Werner Heisenberg Institut)

14:50 - 15:05 (12 + 3 min)
CHORUS Neutrino-nucleon differention cross sections and strucutre functions
Rolf G.C. Oldeman (NIKHEF)

15:05 - 15:20 (12 + 3 min)
Uncertainties in parton structure functions and their implications for physics
Wu-Ki Tung (Michigan State University)

15:20 - 15:30 (7 + 3 min)
Constraints on the proton's gluon density from lepton pair production
Edmond L Berger (Argonne National Laboratory)

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PA-03c

Hard Interactions (QCD COUPLINGS)

Chair: Edmond L Berger (Argonne National Laboratory)

Thursday, July 27 16:00 - 17:30

Sakura West

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16:00 - 16:15 (12 + 3 min)
Studies of the strong coupling constant
Zoltan Trocsanyi (University of Debrecen)

16:15 - 16:30 (12 + 3 min)
Studies of $b-\bar{b}$ gluon and $c-\bar{c}$ vertices
Toshinori Abe (Stanford Linear Accelerator Center)

16:30 - 16:45 (12 + 3 min)
Studies of b-quark fragmentation
Vitaliano Ciulli (Scuola Normale Superiore and INFN Pisa)

16:45 - 17:00 (12 + 3 min)
Measurement of the b-quark mass
Guenther Dissertori (CERN)

17:00 - 17:15 (12 + 3 min)
Complete renormalization group improvement - avoiding scale dependence in QCD predictions
Chris J Maxwell (Durham University)

17:15 - 17:30 (12 + 3 min)
Recent progress in NNLO QCD
Zvi Bern (UCLA)

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PA-04a

High Energy Heavy Ion Collisions

Chair: Samuel H Aronson (BNL)

Thursday, July 27 10:30 - 12:30

Room AB

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10:30 - 10:55 (20 + 5 min)
E917 results on strangeness production in $Au + Au$ collisions at AGS
Wen-Chen Chang (Academia Sinica)

10:55 - 11:20 (20 + 5 min)
Multi-strange particle enhancements in $Pb - Pb$ interactions at 158 GeV/c per nucleon
David Evans (The University of Birmingham)

11:20 - 11:45 (20 + 5 min)
Results of NA49 on $Pb + Pb$ collisions at the CERN SPS
Peter Filip (MPI)

11:45 - 12:10 (20 + 5 min)
Directed and elliptic flow observed in 158 A GeV $Pb + Pb$ collisions & Δ^{++} production in 158 A GeV 208 $Pb +$ 208Pb collisions
Yasuo Miake (University of Tsukuba)

12:10 - 12:30 (15 + 5 min)
The STAR experiment at RHIC
Thomas S Ullrich (Yale University)

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PA-04b

High Energy Heavy Ion Collisions

Chair: Barbara V. Jacak (SUNY Stony Brook)

Thursday, July 27 14:00 - 15:30

Room AB

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14:00 - 14:25 (20 + 5 min)
Hadronization of quark gluon plasma (and gluon jets) and the role of the 0^{++} glueball as primary hadron products
Peter C Minkowski (University of Bern)

14:25 - 14:50 (20 + 5 min)
Hard photon and dilepton production in the quark-gluon plasma
Patrick Aurenche (Laboratoire d'Annecy le Vieux de Physique Theorique)

14:50 - 15:10 (15 + 5 min)
The PHENIX experiment at RHIC
Samuel H Aronson (BNL)

15:10 - 15:30 (15 + 5 min)
Baryon stopping: A link between elementary $p + p$ interaction and controlled centrality $p + A$ and $A + A$ collisions
Ferenc Sikler (CERN)

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PA-04c

High Energy Heavy Ion Collisions

Chair: Hideki Hamagaki (University of Tokyo)

Thursday, July 27 16:00 - 17:30

Room AB

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16:00 - 16:25 (20 + 5 min)
Centrality dependence of hadrons in nuclear collisions
Sonja Kabana (University of Bern)

16:25 - 16:50 (20 + 5 min)
New results in relativistic nuclear physics at JINR (Dubna)
Alexandre Ivanovich Malakhov (JINR)

16:50 - 17:15 (20 + 5 min)
Unisotropic color superconductor
Jiri Hosek (Nuclear Physics Institute, Academy of Sciences of the Czech Republic)

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PA-05a

Tests of the Electroweak Gauge Theory

Chair: Robert B Clare (MIT)

Thursday, July 27 10:30 - 12:30

Sub Hall

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10:30 - 10:45 (13 + 2 min)
The Z lineshape and lepton asymmetries at LEP
Guenter Duckeck (Ludwig-Maximilans-Universitaet)

10:45 - 11:00 (13 + 2 min)
Tau polarization measurements at LEP
Michael Roney (University of Victoria)

11:00 - 11:20 (17 + 3 min)
b and c quark asymmetries at LEPI
Ernesto Migliore (CERN)

11:20 - 11:40 (17 + 3 min)
R_b and R_c at SLD and LEPI
Dong Su (SLAC)

11:40 - 12:00 (17 + 3 min)
A_{LR} and measurements of A_{lep}
Toshinori Abe (Stanford Linear Accelerator Center)

12:00 - 12:15 (13 + 2 min)
Measurements of A_q (A_b, A_c, A_s)
Masako Iwasaki (University of Oregon)

12:15 - 12:30 (13 + 2 min)
Measurement of R at 2-5 GeV
Zhengguo Zhao (Chinese Academy of Sciences)

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PA-05b

Tests of the Electroweak Gauge Theory

Chair: Wolfgang Hollik (Institut fuer Theoretische Physik, Universitaet Karlsruhe)

Thursday, July 27 14:00 - 15:30

Sub Hall

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14:00 - 14:30 (27 + 3 min)
Theoretical developments in LEP 2 physics
Giampiero Passarino (Universita di Torino)

14:30 - 14:45 (13 + 2 min)
WW cross sections and W decay branching ratios
Anne Ealet (C.P.P.M.)

14:45 - 15:00 (13 + 2 min)
Measurements of charged triple gauge boson couplings (WWZ, $WW\gamma$ and W polarization)
Stephane Jezequel (Laboratoire d'Annecy le Vieux de Physique des Particules)

15:00 - 15:15 (13 + 2 min)
Measurements of neutral triple gauge boson couplings ($ZZ\gamma$ and $Z\gamma\gamma$)
Clara Matteuzzi (Milano University and INFN)

15:15 - 15:30 (13 + 2 min)
Measurements of quartic gauge boson couplings
Stefania Spagnolo (Rutherford Appleton Laboratory)

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PA-05c

Tests of the Electroweak Gauge Theory

Chair: Wolfgang Hollik (Institut fuer Theoretische Physik, Universitaet Karlsruhe)

Thursday, July 27 16:00 - 17:30

Sub Hall

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16:00 - 16:20 (17 + 3 min)
Fermion pair crosssections and asymmetries and limits on new physics
Giuseppe Della Ricca (University and INFN - Trieste)

16:20 - 16:40 (17 + 3 min)
Measurements of heavy quark production and asymetries at LEPII
Silvia Arcelli (University of Maryland)

16:40 - 16:55 (13 + 2 min)
ZZ cross-section measurements
Salvatore Mele (CERN)

16:55 - 17:15 (17 + 3 min)
Coherent exclusive exponentiation for precison Monte Carlo calculations of fermion pair production/ Precision predictions for (un)stable W^+W^- pairs
Bennie F.L. Ward (University of Tennessee)

17:15 - 17:30 (13 + 2 min)
Measurements of $e-\gamma$ interactions at LEP
Carmen Palomares (CIEMAT)

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PA-06a

Light Flavor Physics (Kaon, Muon)

Chair: Anthony R. Barker (University of Colorado, Boulder)

Thursday, July 27 16:00 - 17:00

Main Hall

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16:00 - 16:15 (13 + 2 min)
New result on direct CP violation
Benedetto Gorini (CERN)

16:15 - 16:30 (13 + 2 min)
ϵ'/ϵ results from KTeV
Edward C. Blucher (University of Chicago)

16:30 - 16:45 (13 + 2 min)
ϵ'/ϵ in the $1/N_c$ expansion at lowest order in CHPT
Joaquim Prades (Universidad de Granada)

16:45 - 17:00 (13 + 2 min)
The standard model prediction for ϵ'/ϵ
Elisabetta Pallante (University of Barcelona)

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PA-07a

Heavy Flavor Physics (Charm, Bottom, Top and Tau)

Chair: Nobuhiko Katayama (KEK)

Thursday, July 27 10:30 - 12:30

Main Hall

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10:30 - 10:45 (12 + 3 min)
Latest ALEPH results on B_s oscillations
Paschal A. Coyle (IN2P3-CNRS)

10:45 - 11:00 (12 + 3 min)
B mixing and lifetimes at SLD
Tracy Usher (SLAC)

11:00 - 11:15 (12 + 3 min)
Review on B_0- $\bar{B}_0$ mixing and b-lifetime measurements at CDF/LEP/SLD
Achille Stocchi (Laboratoire de l'Accelerateur Lineaire)

11:15 - 11:30 (12 + 3 min)
Determination of B_0-$\bar{B}_0$ mixng from the time evolution of dilepton and $D^{(*-)}\ell\nu$ events at Belle
Jun-Ichi Suzuki (KEK)

11:30 - 11:45 (12 + 3 min)
Measurements of B and charmed meson lifetimes with Belle
Hiroyasu Tajima (University of Tokyo)

11:45 - 12:00 (12 + 3 min)
Babar results on B lifetime and mixing with partially-reconstructed B_0 decays
Christophe Yeche (CEA Saclay DAPNIA/SPP)

12:00 - 12:15 (12 + 3 min)

Study of B lifetime and mixing with fully-reconstructed B_0 decays with BaBar
Fernando Martinez-Vidal (IN2P3-Paris 6 & 7)

12:15 - 12:30 (12 + 3 min)
Spectroscopy and decay of orbitally excited B mesons at LEPff
Pauline Gagnon (Indiana University)

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PA-07b

Heavy Flavor Physics (Charm, Bottom, Top and Tau)

Chair: Yasuhiro Okada (KEK)
Thursday, July 27 14:00 - 15:30
Main Hall

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14:00 - 14:15 (12 + 3 min)
B physics at CDF
Christoph M.E. Paus (MIT)

14:15 - 14:30 (12 + 3 min)
Radiative B meson at CLEO
Thomas E Coan (Southern Methodist University)

14:30 - 14:45 (12 + 3 min)
Babar study of the decays $B \longrightarrow K^*\gamma$, $B \longrightarrow K\ell^+\ell^-$ and $B \longrightarrow K^*\ell^+\ell^-$
Colin P. Jessop (SLAC)

14:45 - 15:00 (12 + 3 min)
Studies of radiative B meson decays with Belle
Mikihiko Nakao (KEK)

15:00 - 15:15 (12 + 3 min)
Status of theoretical $B \longrightarrow X_s\gamma$ and $B \longrightarrow X_s\ell^+\ell^-$ analyses
Mikolaj K. Misiak (CERN/Warsaw Univesity)

15:15 - 15:30 (12 + 3 min)
Z penguins and rare B decays
Gino Isidori (INFN Laboratori Nazionali di Frascati)

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PA-10a

Beyond the Standard Model (Theory)

Chair: Hitoshi Murayama (University of California Berkeley)

Thursday, July 27 10:30 - 12:30

Sakura East

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10:30 - 10:45 (12 + 3 min)
Neutrino Yukawa couplings and FCNC processes in B decays in SUSY-GUT
Toru Goto (KEK)

10:45 - 11:00 (12 + 3 min)
Supersymmetry versus precision experiments revisited gluinos
Gi-Chol Cho (Ochanomizu Women's University)

11:00 - 11:15 (12 + 3 min)
Yukawa textures and Horava-Witten M-theory
Richard Arnowitt (Texas A&M University)

11:15 - 11:30 (12 + 3 min)
Constraints on R-parity violating couplings from precision electroweak measurements
Tatsu Takeuchi (Virginia Tech)

11:30 - 11:45 (12 + 3 min)
BRpV SUSY: Solving solar and atmospheric neutrino problems
Martin Hirsch (Universidad de Valencia)

11:45 - 12:00 (12 + 3 min)
Some recent results from the complete theory of SUSY without R-parity
Otto C.W. Kong (Academia Sinica)

12:00 - 12:15 (12 + 3 min)
Neutrino Mixing from the CKM Matrix in SUSY $SO(10) \times U(2)_F$
K.T. Mahanthappa (University of Colorado)

12:15 - 12:30 (12 + 3 min)
Weinberg model of CP violation
Bruce H J Mckellar (University of Melbourne)

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PA-10b

Beyond the Standard Model (Theory)

Chair: Hitoshi Murayama (University of California Berkeley)

Thursday, July 27 14:00 - 15:30

Sakura East

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14:00 - 14:15 (12 + 3 min)
Sparticle masses and super-phenomenology beyond the mSUGRA model
Xerxes R. Tata (University of Hawaii)

14:15 - 14:30 (12 + 3 min)
One-loop contributions of the super-partner particles to $e^-e^+ \to W^-W^+$ in the MSSM
Shinya Kanemura (Universitaet Karlsruhe)

14:30 - 14:45 (12 + 3 min)
Probing anomalous top quark couplings at NLC
Tao Huang (Chinese Academy of Sciences)

14:45 - 15:00 (12 + 3 min)
Next-to-leading order SUSY-QCD calculation of associated production of gauginos and gluinos
Edmond L Berger (Argonne National Laboratory)

15:00 - 15:15 (12 + 3 min)
Radiative effects on squark pair production at e^+e^- colliders
Oscar JP Eboli (Instituto de Fisica Teorica-UNESP)

15:15 - 15:30 (12 + 3 min)
Improved SUSY QCD corrections to Higgs boson decays into quarks and squarks
Youichi Yamada (Tohoku University)

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PA-10c

Beyond the Standard Model (Theory)

Chair: Hitoshi Murayama (University of California Berkeley)

Thursday, July 27 16:00 - 17:30

Sakura East

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16:00 - 16:30 (25 + 5 min)
LHC and LSP dark matter
Mihoko M. Nojiri (YITP, Kyoto University)

16:30 - 16:45 (12 + 3 min)
Large neutrino mixing in grand unified theories
Ferruccio Feruglio (Padova University and INFN, Padova)

16:45 - 17:00 (12 + 3 min)
Nucleon decay in the light of neutrino masses
Kaladi S Babu (Oklahoma State University)

17:00 - 17:15 (12 + 3 min)
Solar neutrino solutions in non-abelian flavor symmetry
Morimitsu Tanimoto (Niigata University)

17:15 - 17:30 (12 + 3 min)
Flavor symmetry and neutrino oscillations
Yue-liang Wu (Institute of Theoretical Physics)

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PA-15a

Field Theory

Chair: Kenichi Konishi (University of Pisa)

Thursday, July 27 14:00 - 15:30

Room CD

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14:00 - 14:26 (23 + 3 min)
Quantum and classical gauge symmetries
Kazuo Fujikawa (University of Tokyo)

14:26 - 14:42 (13 + 3 min)
Abelian dominance in low-energy gluodynamics due to dynamical mass generation
Kei-Ichi Kondo (Chiba University)

14:42 - 14:58 (13 + 3 min)
Exact solutions of the $SU(2)$ Yang-Mills-Higgs theory
Rosy Chooi Gim Teh (University Technology MARA)

14:58 - 15:14 (13 + 3 min)
Dynamical consequences of topological terms in theories involving nonlinear sigma models
Biswajit Chakraborty (S.N. Bose National Centre for Basic Sciences)

15:14 - 15:30 (13 + 3 min)
Convergent schemes for the variationally improved perturbative expansion in asymptotically free theories with dynamical symmetry breaking
Jean-Loic Kneur (Universite de Montpellier)

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PA-15b

Field Theory

Chair: Davison E. Soper (University of Oregon)

Thursday, July 27 16:00 - 17:30

Room CD

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16:00 - 16:26 (23 + 3 min)
Perturbative quantization of gauge and gravity theories
Zvi Bern (UCLA)

16:26 - 16:42 (13 + 3 min)
Symmetry breaking/restoration in a non-simply connected spacetime
Makoto Sakamoto (Kobe University)

16:42 - 16:58 (13 + 3 min)
Light-front quantized QCD in covariant gauge
Prem P. Srivastava (UERJ- Universidade do Estado de Rio de Janeiro)

16:58 - 17:14 (13 + 3 min)
Thermal forward scattering amplitudes in temporal gauges
Fernando T Brandt (Universidade de Sao Paulo)

17:14 - 17:30 (13 + 3 min)
Dynamics of multiparticle systems with non - abelian symmetry
Ludwik Turko (Wroclaw University)

ICHEP2000 Scientific Program Friday, July 28

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PA-01a

Hadron Spectroscopy (Light and Heavy Quarks, Glueballs, Exotics)

Chair: Zhengguo Zhao (Chinese Academy of Sciences)

Friday, July 28 9:00 - 10:30

Room AB

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9:00 - 9:20 (17 + 3 min)

A study of the $f_0(1370)$, $f_0(1500)$, $f_0(1710)$ and glueball $q\bar{q}$ mixing. Dynamics of glueball and $q\bar{q}$ production in the central region of pp collisions.

Andrew Kirk (The University of Birmingham)

9:20 - 9:35 (12 + 3 min)

Study of meson resonances in diffractive-like reactions.

Alexandre M Zaitsev (Institute for High Energy Physics)

9:35 - 9:45 (8 + 2 min)

Experimental evidence for exotic meson decay to $\eta\pi^+\pi^-\pi^-$

Jingliang Hu (Rensselaer Polytechnic Institute)

9:45 - 10:00 (12 + 3 min)

Recent results of $\psi(2S)$ decays from BES

Yongsheng Zhu (Chinese Academy of Sciences)

10:00 - 10:15 (13 + 2 min)

A determination of the S-wave pion-pion scattering lengths through a measurement of the lifetime of pionium.

Armando Lanaro (CERN - INFN Laboratori Nazionali di Frascati)

10:15 - 10:30 (13 + 2 min)

On the η' gluonic admixture

Emi Kou (Ochanimizu Univ. & Nagoya Univ.)

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PA-01b

Hadron Spectroscopy (Light and Heavy Quarks, Glueballs, Exotics)

Chair: Alexandre M Zaitsev (Institute for High Energy Physics)

Friday, July 28 11:00 - 12:30

Room AB

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11:00 - 11:15 (12 + 3 min)
Search for the glueball candidates $f_0(1500)$ and $f_J(1710)$ in gamma gamma collisions
Shan Jin (University of Wisconsin)

11:15 - 11:30 (12 + 3 min)
Study of the $\pi^+\pi^-\pi^+\pi^-$ final state in two-photon collisions at LEP resonance formation in two-photon collisions at LEP in the K^0_S, $K^\pm$ $\pi^\mp$ and η , $\pi^+\pi^-$ final states
Artur J. Barczyk (PSI)

11:30 - 11:45 (12 + 3 min)
The K^0_S K^0_S final state in two-photon collisions and glueball searches. $\bar{\Lambda}$-(Λ) formation in two-photon collisions at LEP.
Maria Novella Kienzle (Geneva University)

11:45 - 12:00 (12 + 3 min)
Measurement of K^+K^- production in two-photon collisions at Belle
Sadaharu Uehara (KEK-IPNS)

12:00 - 12:15 (13 + 2 min)
Recent results from CMD-2 detector at VEPP-2M
Alexander E. Bondar (Budker Institute of Nuclear Physics)

12:15 - 12:30 (13 + 2 min)
KLOE first results on hadronic physics
Paolo Gauzzi (Rome University "La Sapienza")

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PA-02a

Soft Interaction Processes (including diffraction, two-photon, small x)

Chair: David J Miller (University College London)

Friday, July 28 14:00 - 15:30

Room AB

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14:00 - 14:15 (12 + 3 min)
Photon structure
Stefan Soldner-Rembold (CERN)

14:15 - 14:30 (12 + 3 min)
Dijet production in $\gamma - p$.
Jonathan M Butterworth (University College London)

14:30 - 14:45 (12 + 3 min)
Jet production and total cross section in gamma gamma collisions.
Thorsten Wengler (CERN)

14:45 - 15:00 (12 + 3 min)
Double tagged studies in γ-γ collisions
Maneesh Wadhwa (Basel University)

15:00 - 15:15 (12 + 3 min)
Heavy quark production in γ-γ collisions.
Armin Boehrer (Universitaet Siegen)

15:15 - 15:30 (12 + 3 min)
E155x measurements of the g_2^p and g_2^n structure functions
Stephen Trentalange (University of California at Los Angeles)

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PA-02b

Soft Interaction Processes (including diffraction, two-photon, small x)

Chair: Alexei B. Kaidalov (Institute of Theoretical and Experimental Physics)

Friday, July 28 16:00 - 17:30

Room AB

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16:00 - 16:20 (17 + 3 min)
Recent results on BFKL physics
Lynne H. Orr (University of Rochester)

16:20 - 16:35 (12 + 3 min)
Low Q^2 $F_{2p}$and total $\gamma - p$ cross section
Sergey V. Levonian (DESY)

16:35 - 16:50 (12 + 3 min)
Low x F_2^p and F_l, model comparisons, saturation etc.
Antonio R. Pellegrino (Argonne National Laboratory)

16:50 - 17:10 (17 + 3 min)
Recent spin physics results from HERMES and plans for RHIC
Andreas Gute (Universitaet Erlangen-Nuernberg)

17:10 - 17:30 (17 + 3 min)
Unitarisation in processes mediated by real and virtual photons
Uri Maor (Tel-Aviv University)

17:30 - 17:45 (12 + 3 min)
Recent structure function results from neutrino scatttering at Fermilab
Un-Ki Yang (University of Chicago)

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PA-03d

Hard Interactions (QCD EVENT SHAPE AND MULTIPLICITY STUDIES)

Chair: Eckhard E. Elsen (DESY)

Friday, July 28 9:00 - 10:30

Sakura East

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9:00 - 9:20 (17 + 3 min)
Event shape and other QCD studies at LEP
Swagato Banerjee (LAPP, Annecy.)

9:20 - 9:35 (12 + 3 min)
Event shape and other QCD studies at HERA
Hans-Ulrich Martyn (RWTH Aachen, I. Physics Institute)

9:35 - 9:50 (12 + 3 min)
Multiplicity studies at HERA
Nick Brook (Bristol University)

9:50 - 10:05 (12 + 3 min)
QCD Instanton Studies
Eddi A de Wolf (CERN)

10:05 - 10:15 (7 + 3 min)
Does efficiency of multiple hadron production depend on a hard scale?
Alexandre Kisselev (Institute for High Energy Physics)

10:15 - 10:30 (12 + 3 min)
Combined recoil and threshold resummation for hard scatttering cross sections
Eric Laenen (NIKHEF)

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PA-03e

Hard Interactions (Gauge Bosons)

Chair: Alfred T. Goshaw (Duke University)

Friday, July 28 11:00 - 12:30

Sakura East

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11:00 - 11:15 (12 + 3 min)
Studies of the hadronic decays of Z bosons at LEP
Alessandro de Angelis (University of Udine)

11:15 - 11:30 (12 + 3 min)
Studies of the hadronic decays of Z bosons at SLD
Philip N Burrows (Oxford University)

11:30 - 11:45 (12 + 3 min)
W boson production and decay studies at the Tevatron
Suyong Choi (University of California, Riverside)

11:45 - 12:00 (12 + 3 min)
W boson production and decay studies at LEP
Nelli Pukhaeva (CERN)

12:00 - 12:15 (12 + 3 min)
Direct photon production at colliders
Stephen R Magill (Argonne National Laboratory)

12:15 - 12:30 (12 + 3 min)
Direct-photon, neutral pion and omega production π- Be interactions
Tom Ferbel (University of Rochester)

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PA-05d

Tests of the Electroweak Gauge Theory

Chair: Robert B Clare (MIT)

Friday, July 28 14:00 - 15:30

Main Hall

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14:00 - 14:15 (13 + 2 min)
Multi photon production and tests of QED at LEPII
Marc Winter (Institut de Recherches Subatomiques)

14:15 - 14:30 (13 + 2 min)
Measurement of the beam energy at LEPII
Peter B Renton (Oxford University)

14:30 - 14:50 (17 + 3 min)
Bose-Einstein correlations in *W* decays
Andrea Valassi (CERN)

14:50 - 15:10 (17 + 3 min)
Color reconnection in *W* decays
Paul J. de Jong (NIKHEF)

15:10 - 15:30 (17 + 3 min)
W mass measurements using fully hadronic events at LEPII
Alexander Sascha Schmidt-Kaerst (RWTH Aachen)

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PA-05e

Tests of the Electroweak Gauge Theory

Chair: Robert B Clare (MIT)

Friday, July 28 16:00 - 17:25

Main Hall

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16:00 - 16:20 (17 + 3 min)
***W* mass measurements using semileptonic and fully leptonic events at LEPII**
Raimund M Strohmer (Ludwig-Maximilans-Universitaet)

16:20 - 16:35 (13 + 2 min)
Electroweak results from NuTeV
Jaehoon Yu (Fermilab)

16:35 - 16:55 (17 + 3 min)
The global fit to Electroweak data
Bolek Pietrzyk (LAPP, Annecy-le-Vieux)

16:55 - 17:10 (13 + 2 min)
Prospects on electroweak physics from the Tevatron run II
Ashutosh V Kotwal (Duke University)

17:10 - 17:25 (13 + 2 min)
Prospects on electroweak physics from the LHC
Pratibha Vikas (University of Minnesota)

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PA-06b

Light Flavor Physics (Kaon, Muon)

Chair: Stefano Bertolini (INFN and SISSA)

Friday, July 28 9:00 - 10:30

Sakura West

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9:00 - 9:15 (13 + 2 min)
First results from $\phi \longrightarrow K_L K_S$ decays with the KLOE detector
Antonio Passeri (Sezione INFN Roma III)

9:15 - 9:30 (13 + 2 min)
Weak matrix elements on the lattice
Amarjit S Soni (BNL)

9:30 - 9:45 (13 + 2 min)
The $\Delta = 1/2$ rule and ϵ'/ϵ
Hai-Yang Cheng (Academia Sinica)

9:45 - 10:00 (13 + 2 min)
ϵ'/ϵ in the standard model with hadronic matrix elements from the chiral quark model
Marco Fabbrichesi (Sezione INFN Trieste)

10:00 - 10:15 (13 + 2 min)
Dimension-eight operators in the weak OPE
Gene Golowich (University of Massachusetts)

10:15 - 10:30 (13 + 2 min)
Additional isospin-breaking effects in ϵ'/ϵ
German E Valencia (Iowa State University)

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PA-06c

Light Flavor Physics (Kaon, Muon)

Chair: Stefano Bertolini (INFN and SISSA)

Friday, July 28 11:00 - 12:30

Sakura West

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11:00 - 11:15 (13 + 2 min)
Rare kaon decay results from KTeV-E799
Yau W Wah (The University of Chicago)

11:15 - 11:30 (13 + 2 min)
New results on neutral rare kaon decays obtained in the NA48 experiment
Vladimir Dimitrievich Kekelidze (JINR)

11:30 - 11:45 (13 + 2 min)
Recent results from the BNL E787 experiment
Takeshi K. Komatsubara (KEK-IPNS)

11:45 - 12:00 (13 + 2 min)
Search for T-violating transverse muon polarization in $K^+ \longrightarrow \pi^0 \mu^+ \nu$ decay
Masaharu Aoki (KEK-IPNS)

12:00 - 12:15 (13 + 2 min)
Rare muon decays and physics beyond the SM
Yasuhiro Okada (KEK)

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PA-07c

Heavy Flavor Physics (Charm, Bottom, Top and Tau)

Chair: Patricia R. Burchat (Stanford University)

Friday, July 28 14:00 - 15:30

Sakura West

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14:00 - 14:15 (12 + 3 min)
HERA-B: Status of the experiment
Bernhard Schmidt (DESY)

14:15 - 14:30 (12 + 3 min)
Physics reach of the BTeV experiment
Joel N Butler (Fermilab)

14:30 - 14:45 (12 + 3 min)
Production of charmonia and upsilon mesons at HERA
Alessandro Bertolin (ZEUS Experiment/Padova University)

14:45 - 15:00 (12 + 3 min)
Open charm and beauty production at HERA
Felix Sefkow (University of Zurich)

15:00 - 15:15 (12 + 3 min)
CDF results on top
Steve R Blusk (University of Rochester)

15:15 - 15:30 (12 + 3 min)
Recent top physics results from D0
Dhiman Chakraborty (State University of New York at Stony Brook)

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PA-08a

Neutrino Physics

Chair: Sandip Pakvasa (University of Hawaii)

Friday, July 28 9:00 - 10:30

Main Hall

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9:00 - 9:30 (25 + 5 min)
Neutrino mass: the present and the future
Boris Kayser (National Science Foundation)

9:30 - 10:00 (25 + 5 min)
Current status of the solar and atmospheric neutrino data in terms of neutrino oscillations
Concha Gonzalez Garcia (IFIC/Univ. de Valencia-CSIC)

10:00 - 10:15 (12 + 3 min)
Atmospheric neutrino results from Soudan 2
Geoffrey F Pearce (Rutherford Appleton Laboratory)

10:15 - 10:30 (12 + 3 min)
Atmospheric neutrino results from MACRO
Francesco Ronga (INFN Laboratori Nazionali di Frascati)

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PA-08b

Neutrino Physics

Chair: Paolo Strolin (CERN/University of Naples)

Friday, July 28 11:00 - 12:32

Main Hall

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11:00 - 11:20 (15 + 5 min)
Atmospheric neutrino results from Super-Kamiokande
Toshiyuki Toshito (Kamioka Observatory, ICRR, Univ. of Tokyo)

11:20 - 11:40 (15 + 5 min)
Solar neutrino results from Super-Kamiokande
Yasuo Takeuchi (Kamioka Observatory, ICRR, Univ. of Tokyo)

11:40 - 12:00 (15 + 5 min)
Solar neutrino results from SNO
Joshua R. Klein (University of Pennsylvania)

12:00 - 12:12 (10 + 2 min)
Solar neutrino results from GNO
Carla Cattadori (Sezione INFN Milano)

12:12 - 12:32 (15 + 5 min)
Results from K2K
Makoto Sakuda (KEK)

12:32 - 12:42 (10 + min)
Results from DONUT
Mitsuhiro Nakamura (Nagoya University)

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PA-08c

Neutrino Physics

Chair: Kenzo Nakamura (KEK)

Friday, July 28 14:00 - 15:30

Sub Hall

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14:00 - 14:12 (10 + 2 min)
Recent results from CHORUS
Masahiro Komatsu (Nagoya University)

14:12 - 14:24 (10 + 2 min)
Recent results from NOMAD
Chiara Roda (University of Pisa & I.N.F.N. Pisa)

14:24 - 14:42 (15 + 3 min)
Neutrino oscillation experiments at Fermilab
Adam Para (Fermilab)

14:42 - 15:00 (15 + 3 min)
CERN-to-Gran Sasso neutrino oscillation experiments
Alessandro Bettini (Laboratori Nazionali del Gran Sasso)

15:00 - 15:18 (15 + 3 min)
Reactor neutrino oscillation results and the status of KamLAND
Junpei Shirai (Tohoku University)

15:18 - 15:30 (10 + 2 min)
Final results from LSND
Richard L Imlay (Louisiana State University)

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PA-08d

Neutrino Physics

Chair: S. Peter Rosen (U. S. Dept. of Energy)

Friday, July 28 16:00 - 17:30

Sub Hall

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16:00 - 16:12 (10 + 2 min)
Recent results from Karmen 2
Christian Oehler (Forschungszentrum Karlsruhe)

16:12 - 16:27 (12 + 3 min)
Four neutrino oscillation analysis of atmospheric neutrino data and application to long baseline experiments
Osamu Yasuda (Tokyo Metropolitan University)

16:27 - 16:42 (12 + 3 min)
The effect of a small mixing angle in the atmospheric neutrinos
Shoichi Midorikawa (Aomori University)

16:42 - 17:00 (15 + 3 min)
Physics at neutrino factory
Ken Peach (Rutherford Appleton Laboratory)

17:00 - 17:15 (12 + 3 min)
Testing matter and CP-violation effects in VLBL neutrino oscillation experiments
Manfred B. Lindner (Technische Universitaet Muenchen)

17:15 - 17:30 (12 + 3 min)
CP violations in lepton number violation processes and neutrino oscillation
Koichi Matsuda (Ritsumeikan University)

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PA-11a

Search for New Particles and New Phenomena

Chair: Jesus Marco (Instituto de Fisica de Cantabria)

Friday, July 28 9:00 - 10:30

Sub Hall

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9:00 - 9:20 (15 + 5 min)
SM Higgs at LEP
Shan Jin (University of Wisconsin)

9:20 - 9:35 (12 + 3 min)
SUSY Higgs at LEP
Ian M. Fisk (University of California, San Diego)

9:35 - 9:50 (12 + 3 min)
Exotic or 2HDM Higgs at LEP
Ari P P Kiiskinen (Helsinki Institute of Physics)

9:50 - 10:10 (15 + 5 min)
Higgs at Tevatron, Runs I and II
Maria Teresa P Roco (Fermilab)

10:10 - 10:30 (15 + 5 min)
Prospects for Higgs at LHC
Alessandra Caner (CERN)

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PA-11b

Search for New Particles and New Phenomena

Chair: Sachio Komamiya (University of Tokyo)

Friday, July 28 11:00 - 12:30

Sub Hall

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11:00 - 11:20 (15 + 5 min)
Chargino, neutralino, higgsino at LEP
Koichi Nagai (QMW London)

11:20 - 11:40 (15 + 5 min)
Squark and slepton searches at LEP
Mario Antonelli (INFN Laboratori Nazionali di Frascati)

11:40 - 11:55 (12 + 3 min)
Photonic and gravitino searches at LEP
Vincent Hedberg (University of Lund)

11:55 - 12:15 (15 + 5 min)
SUSY searches at the Tevatron (Runs I and II)
Thomas J Lecompte (Argonne National Laboratory)

12:15 - 12:30 (12 + 3 min)
SUSY searches at LHC
Srini Rajagopalan (BNL)

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PA-11c

Search for New Particles and New Phenomena

Chair: Fabio Cerutti (CERN)

Friday, July 28 16:00 - 17:30

Sakura West

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16:00 - 16:20 (15 + 5 min)
R**-parity violation searches at LEP**
Ivor Fleck (University of Freiburg)

16:20 - 16:40 (15 + 5 min)
R**-parity violation searches at HERA**
Luca Stanco (INFN Padua)

16:40 - 16:55 (12 + 3 min)
Excited leptons and leptoquarks at LEP
Miguel A Falagan (CIEMAT)

16:55 - 17:10 (12 + 3 min)
W**-production and Search for Top at HERA**
Andrew Mehta (Liverpool University)

17:10 - 17:30 (15 + 5 min)
Mini-review on extra dimension
Greg Landsberg (Brown University)

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PA-12a

New Detectors and Techniques

Chair: Ronaldo Bellazzini (INFN Pisa)

Friday, July 28 16:00 - 17:36

Sakura East

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16:00 - 16:12 (10 + 2 min)
A precise measurement of the pion beta decay rate
Stefan Ritt (Paul Scherrer Institute)

16:12 - 16:24 (10 + 2 min)
The BTev detector
Sheldon Stone (Syracuse University)

16:24 - 16:36 (10 + 2 min)
Detection of antihydrogen with a Si-microstrip and CsI-crystal detector
Christian Regenfus (University of Zurich)

16:36 - 16:48 (10 + 2 min)
BTeV silicon pixel detector -1999/2000 beam test results
Jeffrey A Appel (Fermilab)

16:48 - 17:00 (10 + 2 min)
Diamond pixel detectors
Stephen Schnetzer (Rutgers State University of New Jersey)

17:00 - 17:12 (10 + 2 min)
Detection of minimum ionising particles with CMOS sensors
Marc Winter (Institut de Recherches Subatomiques)

17:12 - 17:24 (10 + 2 min)
The HERA-B tracking detectors
Reinhard Eckmann (University of Texas at Austin / DESY)

17:24 - 17:36 (10 + 2 min)
The D0 upgrade detector
Jaehoon Yu (Fermilab)

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PA-13

Future Accelerators

Chair: Ian Wilson (CERN)

Friday, July 28 14:00 - 15:30

Sakura East

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14:00 - 14:30 (25 + 5 min)
Hadron colliders
Thomas M. Taylor (CERN)

14:30 - 15:00 (25 + 5 min)
Future prospects for muon facilities
Stephen H Geer (Fermilab)

15:00 - 15:30 (25 + 5 min)
Future prospects for electron colliders
Nobu Toge (KEK, Accelerator Lab.)

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PA-14a

Lattice Field Theory

Chair: Karl Jansen (CERN)

Friday, July 28 9:00 - 10:30

Room CD

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9:00 - 9:30 (25 + 5 min)
Applications of non-perturbative renormalization
Karl Jansen (CERN)

9:30 - 10:00 (25 + 5 min)
Dynamical quark effects in QCD on the lattice
Kazuyuki Kanaya (University of Tsukuba)

10:00 - 10:30 (25 + 5 min)
Weak matrix elements and K-meson physics
Massimo Testa (University of Roma I)

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PA-14b

Lattice Field Theory

Chair: Tetsuya Onogi (Hiroshima University)

Friday, July 28 11:00 - 12:30

Room CD

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11:00 - 11:30 (25 + 5 min)
Structure functions on the lattice
Karl Jansen (CERN)

11:30 - 12:00 (25 + 5 min)
Exact chiral symmetry on the lattice /the Ginsparg-Wilson relation and domain wall fermion
Yoshio Kikukawa (Nagoya University)

12:00 - 12:30 (25 + 5 min)
B and D mesons in lattice QCD
Andreas S. Kronfeld (Fermilab)

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PA-15c

Field Theory

Chair: Eliezer Z Rabinovici (The Hebrew University)

Friday, July 28 14:00 - 15:30

Room CD

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14:00 - 14:26 (23 + 3 min)
Confinement and flavor symmetry breaking via monopole condensation
Hitoshi Murayama (University of California Berkeley)

14:26 - 14:42 (13 + 3 min)
Fate of chiral symmetries in supersymmetric quantum chromodynamics
Masaki Yasue (Tokai University)

14:42 - 14:58 (13 + 3 min)
Auxiliary field formulation of supersymmetric nonlinear sigma models
Muneto Nitta (Tokyo Institute of Technology)

14:58 - 15:14 (13 + 3 min)
Massive ghosts in softly broken SUSY gauge theories
Dmitrii Igorevich Kazakov (JINR)

15:14 - 15:30 (13 + 3 min)
A new mechanism of spontaneous SUSY breaking
Motoi Barner Tachibana ()

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PA-15d

Field Theory

Chair: Michael Dine (UC Santa Cruz)

Friday, July 28 16:00 - 17:30

Room CD

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16:00 - 16:26 (23 + 3 min)
Multi-instanton contributions to gauge/string theory dynamics
Valentin V Khoze (University of Durham)

16:26 - 16:42 (13 + 3 min)
Multi instanton calculus in supersymmetric theories
Francesco Fucito (INFN Sezione di Roma 2)

16:42 - 16:58 (13 + 3 min)
Spontaneous SUSY breaking in N=2 super Yang-Mills theory
Peter C Minkowski (University of Bern)

16:58 - 17:14 (13 + 3 min)
An exact solution of the Randall-Sundrum model and the mass hierarchy problem
Shoichi Ichinose (University of Shizuoka)

17:14 - 17:30 (13 + 3 min)
Gravitational lensing and extra dimensions
Bruce H J Mckellar (University of Melbourne)

ICHEP2000 Scientific Program Saturday, July 29

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PA-01c

Hadron Spectroscopy (Light and Heavy Quarks, Glueballs, Exotics)

Chair: Zhengguo Zhao (Chinese Academy of Sciences)

Saturday, July 29 14:00 - 15:30

Room AB

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14:00 - 14:20 (17 + 3 min)
Results on charmed meson spectroscopy from FOCUS
Franco L Fabbri (Laboratori Nazionali di Frascati)

14:20 - 14:35 (12 + 3 min)
Photoproduction of charmed baryons at the Fermilab Tevatron
Sergio P. Ratti (Sezione INFN and UNIV. of Pavia)

14:35 - 14:55 (17 + 3 min)
Light meson and baryon spectroscopy from charm decays in Fermilab E791
Milind V Purohit (University of S. Carolina)

14:55 - 15:15 (17 + 3 min)
First observation of Σ_c^{*+}. Mass and width measurements of Σ_c^{++} and Σ_c^0
Andreas Warburton (Cornell University)

15:15 - 15:30 (12 + 3 min)
Search for charmed baryons states decaying into $\Lambda_c^+\pi^+\pi^-$ using the CLEO detector. Search for $J^p = 1/2^-$ Ξ_c states using the CLEO detector.
Richard D. Ehrlich (Cornell University)

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PA-01d

Hadron Spectroscopy (Light and Heavy Quarks, Glueballs, Exotics)

Chair: Alexandre M Zaitsev (Institute for High Energy Physics)

Saturday, July 29 16:00 - 17:30

Room AB

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16:00 - 16:15 (12 + 3 min)
Rare hyperon decays: New results from NA48
Rainer Wanke (Johannes Gutenberg-Universitaet Mainz)

16:15 - 16:30 (12 + 3 min)
First measurement of form factors for beta decay of neutral cascade hyperons
Roland Winston (The University of Chicago)

16:30 - 16:45 (12 + 3 min)
Predictions for decays of radially-excited baryons
Carl E Carlson (College of William and Mary)

16:45 - 17:00 (12 + 3 min)
Determining the quantum numbers of excited heavy mesons
Gad Eilam (TECHNION - Israel Institute of Technology)

17:00 - 17:15 (13 + 2 min)
Analysis of electroweak nucleon form factors in quantum Skyrme model
Egidijus Norvaisas (Institute of Theoretical Physics and Astronomy)

17:15 - 17:30 (13 + 2 min)

Dynamical gluon mass corrections in heavy quarkonia decays
Adriano A Natale (Instituto de Fisica Teorica-UNESP)

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PA-02c

Soft Interaction Processes (including diffraction, two-photon, small x)

Chair: M.Beatriz Gay Ducati (IF-UFRGS)

Saturday, July 29 9:00 - 10:30

Room AB

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9:00 - 9:20 (17 + 3 min)
Photo and electro production of vector mesons, including at large t.
Bruce Mellado (Columbia University)

9:20 - 9:40 (17 + 3 min)
Inclusive measurements in diffraction
Paul R Newman (Birmingham University)

9:40 - 10:00 (17 + 3 min)
Final states in Diffraction at HERA
Mario Martinez (DESY)

10:00 - 10:15 (12 + 3 min)
Hard diffraction at DZero
Andre Sznajder (Universidade Estadual do Rio de Janeiro)

10:15 - 10:30 (12 + 3 min)
Deeply virtual Compton scattering.
Laurent Favart (Universite Libre de Bruxelles)

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PA-02d

Soft Interaction Processes (including diffraction, two-photon, small x)

Chair: Maneesh Wadhwa (Basel University)

Saturday, July 29 11:00 - 12:30

Room AB

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11:00 - 11:15 (12 + 3 min)
Bose Einstein correlations, colour reconnection etc. at the Z_0
Henryk A Palka (Institute of Nuclear Physics, Cracow)

11:15 - 11:30 (12 + 3 min)
Next-to-leading order hadronic structure from constituent quark structure
Firooz Arash (Institute for Studies In Theoretical Physics and Mathematics)

11:30 - 11:45 (12 + 3 min)
Inclusive particle production in γ-γ collisions
Christoph Schaefer (CERN L3)

11:45 - 12:00 (12 + 3 min)
Color transparency and pion valence quark distributions from di-jet events in Fermilab E791
Jeffrey A Appel (Fermilab)

12:00 - 12:15 (12 + 3 min)
Two photon production of the η_c
Yuichi Kubota (University of Minnesota)

12:15 - 12:30 (12 + 3 min)
Leading baryon production in DIS and photoproduction
Torsten Wildschek (University of Wisconsin)

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PA-07d

Heavy Flavor Physics (Charm, Bottom, Top and Tau)

Chair: Michael Witherell (Fermilab)

Saturday, July 29 9:00 - 10:45

Sub Hall

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9:00 - 9:15 (12 + 3 min)
D_0 mixing and CP violation from FOCUS
Hwanbae Park (Korea University)

9:15 - 9:30 (12 + 3 min)
Charm hadroproduction measurements and charm lifetime results from SELEX
James S Russ (Carnegie Mellon University)

9:30 - 9:45 (12 + 3 min)
First results from E835 data taking in 2000
Keith E Gollwitzer (Fermilab)

9:45 - 10:00 (12 + 3 min)
CLEO results on heavy meson mixing
Harry N Nelson (UC Santa Barbara)

10:00 - 10:15 (12 + 3 min)
Study of Λ_c production and decay
Roy A Briere (Carnegie Mellon University)

10:15 - 10:30 (12 + 3 min)
Leptonic decays of the D_s meson at LEP
Nancy Marinelli (Imperial College)

10:30 - 10:45 (12 + 3 min)
Latest ALEPH results on B_s oscillations
Paschal A. Coyle (IN2P3-CNRS)

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PA-07e

Heavy Flavor Physics (Charm, Bottom, Top and Tau)

Chair: Peter J Dornan (Imperial College)

Saturday, July 29 11:00 - 12:30

Sub Hall

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11:00 - 11:15 (12 + 3 min)
Study of inclusive and exclusive B decays to charmonium final states with BaBar
Gerhard Raven (UC San Diego)

11:15 - 11:30 (12 + 3 min)
Studies of B meson decays to final states containing charmonium with Belle
Stephen E Schrenk (Virginia Tech)

11:30 - 11:45 (12 + 3 min)
CLEO results on B meson decays to charm
Sheldon Stone (Syracuse University)

11:45 - 12:00 (12 + 3 min)
Charm counting in b-hadron decays
Gary J. Barker (Universitaet Karlsruhe)

12:00 - 12:15 (12 + 3 min)
Studies of B meson decays to charmed final states with Belle
Kazunori Hanagaki (Princeton University)

12:15 - 12:30 (12 + 3 min)
BaBar results on B decays to D^* and $D_s^{(*)}$
Gloria Vuagnin (Universita' di Trieste)

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PA-07f

Heavy Flavor Physics (Charm, Bottom, Top and Tau)

Chair: Yuichi Kubota (University of Minnesota)

Saturday, July 29 14:00 - 15:30

Sub Hall

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14:00 - 14:15 (12 + 3 min)
Measurement of $|V_{cb}|$ and $|V_{ub}|$ at CLEO
Karl M. Ecklund (Cornell University)

14:15 - 14:30 (12 + 3 min)
Measurements of inclusive, direct and cascade, b-hadron semileptonic decays at LEP/SLD and extraction of V_{cb}
Simon Blyth (Carnegie Mellon University)

14:30 - 14:45 (12 + 3 min)
Measurement of V_{cb} using $B_0 \longrightarrow D^* \ell \nu$ decays at LEP and Vcb average from LEP data
Elisabetta Barberio (CERN)

14:45 - 15:00 (12 + 3 min)
CLEO results on Charmless B meson decays
Richard A Stroynowski (SMU)

15:00 - 15:15 (12 + 3 min)
Studies of charmless hadronic decays of B mesons with Belle
Paoti Chang (National Taiwan University)

15:15 - 15:30 (12 + 3 min)
Study of charmless two-body, three-body and quasi-two-body B decays with BaBar
Theresa J. Champion (Birmingham University)

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PA-07g

Heavy Flavor Physics (Charm, Bottom, Top and Tau)

Chair: A. I. Sanda (Nagoya University)

Saturday, July 29 16:00 - 17:30

Sub Hall

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16:00 - 16:15 (12 + 3 min)
Constraints on the CKM angle γ and strong phases from $B \to \pi K$ decays
Robert Fleischer (DESY)

16:15 - 16:30 (12 + 3 min)
Possibility of large final state interaction phases in light of $B \to K\pi$ and $\pi\pi$ data
George W.S Hou (National Taiwan University)

16:30 - 16:45 (12 + 3 min)
Implications of recent measurements of hadronic charmless B decays
Hai-Yang Cheng (Academia Sinica)

16:45 - 17:00 (12 + 3 min)
Hard scattering in B decays and γ from $B \longrightarrow \pi K$ decay
Martin Beneke (RWTH Aachen)

17:00 - 17:15 (12 + 3 min)
Penguin enhancement and $B \longrightarrow K(\pi)\pi$ decays in perturbative QCD
Hsiang-Nan Li (National Cheng-Kung University)

17:15 - 17:30 (12 + 3 min)
Lifetime pattern of heavy hadrons
Blazenka Melic (Rudjer Boskovic Institute, Zagreb)

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PA-08e

Neutrino Physics

Chair: Jean-Jacques Aubert (IN2P3)

Saturday, July 29 16:00 - 17:29

Sakura West

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16:00 - 16:20 (15 + 5 min)
Recent results from AMANDA
Douglas F. Cowen (University of Pennsylvania)

16:20 - 16:35 (12 + 3 min)
Status of ANTARES
Juan Jose Hernandez (Universidad de Valencia)

16:35 - 16:47 (10 + 2 min)
Status of Borexino
Marco Pallavicini (Sezione INFN Genova)

16:47 - 16:59 (10 + 2 min)
LENS solar neutrino experiment
Stephan Schoenert (MPI)

16:59 - 17:14 (12 + 3 min)
Ultrahigh energy cosmic rays and neutrinos
Alexander Kusenko (UCLA)

17:14 - 17:29 (12 + 3 min)
Neutrinos from stellar collapse: effects of flavour mixing
Dharmavaram Indumathi (Institute of Mathematical Sciences)

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PA-09a

Particle Astrophysics and Cosmology (excluding Neutrino)

Chair: A Olive (University of Minnesota)

Saturday, July 29 9:00 - 10:30

Main Hall

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9:00 - 9:20 (18 + 2 min)
Recent results of TeV observations with the HEGRA stereoscopic Cherenkov telescope system
Antje Kohnle (MPI fuer Kernphysik)

9:20 - 9:45 (23 + 2 min)
The Pierre Auger experiment at the southern hemisphere
Matthias Kleifges (Forschungszentrum Karlsruhe)

9:45 - 10:10 (23 + 2 min)
On the determination of cosmological parameters from recent CMB experiments
Andrew Jaffe (Univeristy of California Berkeley)

10:10 - 10:30 (18 + 2 min)
Inflation
Masahiro Kawasaki (University of Tokyo)

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PA-09b

Particle Astrophysics and Cosmology (excluding Neutrino)

Chair: Michel Spiro (Saclay)

Saturday, July 29 11:00 - 12:30

Main Hall

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11:00 - 11:20 (18 + 2 min)
Neutralino relic densities
Manuel Drees (TUM)

11:20 - 11:40 (18 + 2 min)
Constraints on supersymmetric dark matter from LEP
Keith A Olive (University of Minnesota)

11:40 - 12:05 (23 + 2 min)
Machos
Jean-Francois Glicenstein (CEA-Saclay)

12:05 - 12:30 (23 + 2 min)
A large-scale search for dark-matter axions
Karl A. van Bibber (LLNL)

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PA-09c

Particle Astrophysics and Cosmology (excluding Neutrino)

Chair: A Olive (University of Minnesota)

Saturday, July 29 14:00 - 15:30

Sakura West

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14:00 - 14:25 (23 + 2 min)
Neutralino-proton cross sections
Richard Arnowitt (Texas A&M University)

14:25 - 14:55 (28 + 2 min)
Dark matter detection
Neil JC Spooner (Sheffield University)

14:55 - 15:15 (18 + 2 min)
Results from AMS
Vitaly Choutko (MIT)

15:15 - 15:30 (13 + 2 min)
First results about atmospheric muons from the L3+C experiment at CERN
Thomas Hebbeker (Humboldt University Berlin, Institute of Physics)

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PA-10d

Beyond the Standard Model (Theory)

Chair: Hitoshi Murayama (University of California Berkeley)

Saturday, July 29 14:00 - 15:30

Sakura East

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14:00 - 14:15 (12 + 3 min)
The $b \longrightarrow s\gamma$ decay rate in NLO, Higgs boson limits, and LSP masses in the CMSSM
Wim de Boer (Karlsruhe University)

14:15 - 14:30 (12 + 3 min)
Fully supersymmetric CP violations in the kaon systemthe MSSM
Pyungwon Ko (KAIST)

14:30 - 15:00 (25 + 5 min)
Remarks on moduli in string theory
Michael Dine (UC Santa Cruz)

15:00 - 15:15 (12 + 3 min)
New supersymmetric standard model with stable proton
Mayumi Aoki (KEK)

15:15 - 15:30 (12 + 3 min)
Reconstructing supersymmetric theories at high energy scales
Werner Porod (Universidad de Valencia)

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PA-10e

Beyond the Standard Model (Theory)

Chair: Hitoshi Murayama (University of California Berkeley)

Saturday, July 29 16:00 - 17:30

Sakura East

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16:00 - 16:30 (25 + 5 min)
Phenomenology of warped extra dimensions
Joanne L. Hewett (SLAC)

16:30 - 16:45 (12 + 3 min)
Running couplings in extra space-time dimensions
Haruhiko Terao (Kanazawa University)

16:45 - 17:00 (12 + 3 min)
Higgs mechanism and bulk gauge boson masses in the Randall Sundrum model
Qaisar Shafi (University of Delaware)

17:00 - 17:15 (12 + 3 min)
Unification of gauge couplings in presence of large extra dimensions
Satyanarayan Nandi (Oklahoma State University)

17:15 - 17:30 (12 + 3 min)
Unified field theory induced on the brane world
Keiichi Akama (Saitama Medical College)

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PA-11d

Search for New Particles and New Phenomena

Chair: John S. Conway (Rutgers University)

Saturday, July 29 9:00 - 10:30

Sakura West

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9:00 - 9:20 (15 + 5 min)
General particle searches at LEP
Wolfgang Lohmann (CERN)

9:20 - 9:40 (15 + 5 min)
Exotic searches at the Tevatron
Kaori Maeshima (Fermilab)

9:40 - 9:55 (12 + 3 min)
Excited fermions at HERA
Ali Sabetfakhri (University of Toronto)

9:55 - 10:10 (12 + 3 min)
Search for Leptoquarks and contact interactions at HERA
Carsten Niebuhr (DESY)

10:10 - 10:30 (15 + 5 min)
Single top searches at LEP
Vladimir F. Obraztsov (Institute for High Energy Physics)

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PA-11e

Search for New Particles and New Phenomena

Chair: Sylvie J.M Rosier (Laboratoire d'Annecy le Vieux de Physique des Particules)

Saturday, July 29 11:00 - 12:30

Sakura West

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11:00 - 11:20 (15 + 5 min)
Particle searches at a linear collider
Klaus Desch (Universitaet Hamburg)

11:20 - 11:40 (15 + 5 min)
Observation of Anomalous Dimuon Events in the NuTeV Decay Detector
Michael H. Shaevitz (Fermilab and Columbia University)

11:40 - 11:55 (12 + 3 min)
KARMEN time anomaly
Peter-Raymond Kettle (Paul Scherrer Institute)

11:55 - 12:10 (12 + 3 min)
Monopole search from Fermilab
Kimball A. Milton (University of Oklahoma)

12:10 - 12:30 (15 + 5 min)
Mini-review on nucleon decay
Masato Shiozawa (ICRR, University of Tokyo)

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PA-11f

Search for New Particles and New Phenomena

Chair: Luc Pape (CERN)

Saturday, July 29 14:00 - 15:30

Main Hall

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14:00 - 14:15 (12 + 3 min)
Year 2000 update for L3
Simonetta Gentile (CERN)

14:15 - 14:30 (12 + 3 min)
Year 2000 update for DELPHI
Maria Catarina Espirito-Santo (CERN)

14:30 - 14:50 (17 + 3 min)
Year 2000 update for ALEPH and LEP SUSYWG results
Marcello Maggi (CERN)

14:50 - 15:10 (17 + 3 min)
Year 2000 update for OPAL and LEP HIGGSWG results
Kara Hoffman (CERN)

15:10 - 15:30 (15 + 5 min)
Search strategies for non-standard Higgs at e^+e^-
Jan Kalinowski (Warsaw University)

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PA-11g

Search for New Particles and New Phenomena

Chair: Francois Richard (Laboratoire de l'Accelerateur Lineaire)

Saturday, July 29 16:00 - 17:00

Main Hall

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16:00 - 16:20 (15 + 5 min)
Phenomenology in bilinearly broken R-parity
Jose W F Valle (Universidad de Valencia - IFIC/CSIC)

16:20 - 16:35 (12 + 3 min)
Precision measurements, extra generations and chargino-neutralino degeneracy
Alexandre N. Rozanov (C.P.P.M.)

16:35 - 16:50 (12 + 3 min)
A Higgs or not a Higgs?
Cliff P Burgess (McGill University)

16:50 - 17:00 (7 + 3 min)
Leptoquark signal from global analysis
Aleksander F Zarnecki (Warsaw University)

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PA-12b

New Detectors and Techniques

Chair: Ronaldo Bellazzini (INFN Pisa)

Saturday, July 29 9:00 - 10:24

Sakura East

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9:00 - 9:12 (10 + 2 min)
Production and testing of the D0 silicon microstrip tracker
Petros A. Rapidis (Fermilab)

9:12 - 9:24 (10 + 2 min)
The all-silicon tracker of the CMS experiment
Klaus Freudenreich (ETH-Zurich)

9:24 - 9:36 (10 + 2 min)
The challenge of CMS silicon strip detectors at LHC
Gianmario Bilei (INFN Perugia)

9:36 - 9:48 (10 + 2 min)
The AMS microstrip silicon tracker
Divic J Rapin (University of Geneva)

9:48 - 10:00 (10 + 2 min)
Lorentz angle studies in irradiated silicon detectors between 77-300k
Wim de Boer (Karlsruhe University)

10:00 - 10:12 (10 + 2 min)
Radiation hard optical links for the ATLAS SCT and pixel detectors
John D. Dowell (Birmingham University)

10:12 - 10:24 (10 + 2 min)
Operation of large scale GEM+MSGC modules in a high intensity pion beam
Dirk Macke (RWTH Aachen)

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PA-12c

New Detectors and Techniques

Chair: Ronaldo Bellazzini (INFN Pisa)

Saturday, July 29 11:00 - 12:36

Sakura East

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11:00 - 11:12 (10 + 2 min)
DIRC-The particle identification system for BaBar
Jochen Schwiening (Stanford Linear Accelerator Center)

11:12 - 11:24 (10 + 2 min)
Multianode photo multipliers for ring imaging Cherenkov detectors
Franz Muheim (Edinburgh University)

11:24 - 11:36 (10 + 2 min)
The CMS crystal calorimeter for the LHC
Francois Zach (Institut de Physique Nucleaire de Lyon)

11:36 - 11:48 (10 + 2 min)
Preliminary results on the ATLAS liquid argon electromagnetic calorimeter
Robert Zitoun (Laboratoire d'Annecy le Vieux de Physique des Particules)

11:48 - 12:00 (10 + 2 min)
Test beam results of the quartz fibre calorimeter for the H1 luminosity
Bernard Andrieu (Ecole Polytechnique)

12:00 - 12:12 (10 + 2 min)
Resistive plate chambers for experiments at high energies
Sergio P. Ratti (Sezione INFN and UNIV. of Pavia)

12:12 - 12:24 (10 + 2 min)
The CMS muon trigger
Norbert Neumeister (CERN)

12:24 - 12:36 (10 + 2 min)
Novel DAQ and trigger methods for the KLOE experiment
Paolo Branchini (Sezione INFN Roma III)

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PA-15e

Field Theory

Chair: Toichiro Kinoshita (Cornell University)

Saturday, July 29 9:00 - 10:30

Room CD

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9:00 - 9:15 (12 + 3 min)
Lepton transmutations from a rotating mass matrix
Sheung Tsun Tsou (Oxford University)

9:15 - 9:30 (12 + 3 min)
Can CPT violated through extended time reversal?
Recai Erdem (IYTE, Izmir)

9:30 - 9:45 (12 + 3 min)
Illusory are the conventional anomalies in the conformal-gauge two-dimensional quantum gravity
Noboru Nakanishi (Kyoto University)

9:45 - 10:00 (12 + 3 min)
Chamseddine, Fröhlich, Grandjean metric and localized Higgs coupling on noncommutative geometry
Rie Kuriki (KEK)

10:00 - 10:15 (12 + 3 min)
Measure fields, the cosmological constant and scale invariance
Eduardo I Guendelman (Ben Gurion University)

10:15 - 10:31 (13 + 3 min)
Power corrections in short-distance cross sections
George F Sterman (SUNY Stony Brook)

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PA-16a

Superstring Theory

Chair: Eliezer Z Rabinovici (The Hebrew University)

Saturday, July 29 11:00 - 12:30

Room CD

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11:00 - 11:30 (25 + 5 min)
Conformal anomaly and c-function from AdS/CFT correspondence
Sachiko Ogushi (Ochanomizu Women's University)

11:30 - 12:00 (25 + 5 min)
Collider signals of asymetric large extra dimensions
Satyanarayan Nandi (Oklahoma State University)

12:00 - 12:30 (25 + 5 min)
On the consistency of non-critical non-orientable open-closed stringfffield theories
Hiroshi Kawabe (Yonago National College of Technology)

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PA-16b

Superstring Theory

Chair: Nobuyuki Ishibashi (KEK)

Saturday, July 29 14:00 - 15:30

Room CD

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14:00 - 14:30 (25 + 5 min)

Modular invariant partition function for typeII strings on a conifold

Shun'ya Mizoguchi (KEK)

14:30 - 15:00 (25 + 5 min)

Matrix theory and the world-sheet of the discrete light front superstring

Gordon W. Semenoff (University of British Columbia)

15:00 - 15:30 (25 + 5 min)

D-Branes in the background of NS fivebranes

Eliezer Z Rabinovici (The Hebrew University)

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PA-16c

Superstring Theory

Chair: Gordon W. Semenoff (University of British Columbia)

Saturday, July 29 16:00 - 17:30

Room CD

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16:00 - 16:30 (25 + 5 min)

Looking at gauge theories from five dimensions

Laurent Baulieu (CNRS/LPTHE)

16:30 - 17:00 (25 + 5 min)

Noncommutative and ordinary super Yang-Mills on (D_{p-2}, D_p) bound states

Rong-Gen Cai (Osaka University)

17:00 - 17:30 (25 + 5 min)

The perturbative ultraviolet and infrared dynamics of noncommutative quantum field theory

Masashi Hayakawa (KEK)

ICHEP2000 Scientific Program Monday, July 31

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PLa

Plenary Session

Chair: ()

Monday, July 31 9:00 - 10:30

Main Hall

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9:00 - 9:30 (25 + 5 min)
New Results from e+e- B-factories; New Results from BABAR
David G Hitlin (Caltech)

9:30 - 10:00 (25 + 5 min)
New Results from e+e- B-factories; New Results from BELLE
Hiroaki Aihara (University of Tokyo)

10:00 - 10:30 (25 + 5 min)
New Results from CLEO
David Cinabro (Wayne State University)

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PLb

Plenary Session

Chair: ()

Monday, July 31 11:00 - 12:30

Main Hall

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11:00 - 11:45 (40 + 5 min)
CP Violation and Rare Decays (Kaon, Muon)
Pascal Debu (CEA Saclay)

11:45 - 12:30 (40 + 5 min)
Heavy Flavor Physics (Charm, Bottom, Top and Tau)
Andrey Golutvin (ITEP/Moscow)

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PLc

Plenary Session

Chair: ()

Monday, July 31 14:00 - 15:30

Main Hall

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14:00 - 14:45 (40 + 5 min)
Flavor Dynamics (Theory)
Ikaros I. Bigi (University of Notre Dame)

14:45 - 15:30 (40 + 5 min)
Lattice Field Theory
Richard D Kenway (Edinburgh University)

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PLd

Plenary Session

Chair: ()

Monday, July 31 15:45 - 16:30

Main Hall

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15:45 - 16:30 (40 + 5 min)
Precision Test of the Electroweak Gauge Theory (W, Z, Top, etc.)
Atul Gurtu (Tata Institute of Fundamental Research)

ICHEP2000 Scientific Program Tuesday, August 1

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PLe

Plenary Session

Chair: ()

Tuesday, August 1 9:00 - 10:30

Main Hall

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9:00 - 9:30 (25 + 5 min)
New Results from g-2 Experiments
Robert M. Carey (Boston University)

9:30 - 10:00 (25 + 5 min)
Search for New Particles and New Phenomena; Results from e+e- Colliders
Peter Igo-Kemenes (Heidelberg Univ. and CERN)

10:00 - 10:30 (25 + 5 min)
Search for New Particles and New Phenomena; Results from Hadron Colliders (including e-p)
John S. Conway (Rutgers University)

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PLf

Plenary Session

Chair: ()

Tuesday, August 1 11:00 - 12:30

Main Hall

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11:00 - 11:30 (25 + 5 min)
Neutrino Physics; Accelerator and Reactor Neutrino Experiments
Koichiro Nishikawa (Kyoto University)

11:30 - 12:00 (25 + 5 min)
Neutrino Physics; Non-Accelerator Neutrino Experiments
Edward T. Kearns (Boston University)

12:00 - 12:45 (40 + 5 min)
Beyond the Standard Model
Lawrence J Hall (University of California, Berkeley)

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PLg

Plenary Session

Chair: ()

Tuesday, August 1 14:00 - 15:30

Main Hall

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14:00 - 14:45 (40 + 5 min)
Recent Progress in Field Theory
Michael Dine (UC Santa Cruz)

14:45 - 15:30 (40 + 5 min)
Superstring Theory
Paul K Townsend (University of Cambridge)

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PLh

Plenary Session

Chair: ()

Tuesday, August 1 16:00 - 17:30

Main Hall

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16:00 - 16:45 (40 + 5 min)
Hard Interaction Processes (High Q2: DIS, Jets)
Rosario Nania (Sezione INFN Bologna)

16:45 - 17:30 (40 + 5 min)
Soft Interaction Processes (Low Q2: diffraction, two-photon and spin structure)
Peter Schleper (Heidelberg / DESY)

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PLi

Research Plans in the Next Century

Chair: ()

Tuesday, August 1 19:00 - 20:40

Main Hall

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19:00 - 19:20 (15 + 5 min)
CERN
Luciano Maiani (CERN)

19:20 - 19:40 (15 + 5 min)
DESY
Albrecht Wagner (DESY)

19:40 - 20:00 (15 + 5 min)
FNAL
Michael Witherell (Fermilab)

20:00 - 20:20 (15 + 5 min)
KEK
Hirotaka Sugawara (KEK)

20:20 - 20:40 (15 + 5 min)
SLAC
Jonathan Dorfan (SLAC)

ICHEP2000 Scientific Program Wednesday, August 2

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PLj

Plenary Session

Chair: ()

Wednesday, August 2 9:00 - 10:30

Main Hall

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9:00 - 9:45 (40 + 5 min)
Future Accelerators
Maury Tigner (Cornell University)

9:45 - 10:30 (40 + 5 min)
High Energy Heavy Ion Colliders
Barbara V. Jacak (SUNY Stony Brook)

PLk

Plenary Session

Chair: ()

Wednesday, August 2 14:00 - 15:30

Main Hall

11:00 - 11:30 (25 + 5 min)
Experimental Particle Astrophysics; High Energy Particles from the Universe
Bernard J. Degrange (IN2P3/CNRS France)

11:30 - 12:00 (25 + 5 min)
Experimental Particle Astrophysics; Low Energy Particles from the Universe
Nigel JT Smith (Rutherford Appleton Laboratory)

12:00 - 12:15 (10 + 5 min)
IUPAP
Peter IP Kalmus (Queen Mary, University of London)

12:15 - 12:30 (10 + 5 min)
ICFA
Hirotaka Sugawara (KEK)

PLk

Plenary Session

Chair: ()

Wednesday, August 2 14:00 - 15:30

Main Hall

11:00 - 11:30 (25 + 5 min)
Experimental Particle Astrophysics; High Energy Particles from the Universe
Bernard J. Degrange (IN2P3/CNRS France)

11:30 - 12:00 (25 + 5 min)
Experimental Particle Astrophysics; Low Energy Particles from the Universe
Nigel JT Smith (Rutherford Appleton Laboratory)

12:00 - 12:15 (10 + 5 min)
IUPAP
Peter IP Kalmus (Queen Mary, University of London)

12:15 - 12:30 (10 + 5 min)
ICFA
Hirotaka Sugawara (KEK)