

# **PANIC08 PROGRAM**

Updated November 3

## **Sunday 09 November 2008**

### **09:00-17:30 Student Day**

*Location: Tarshish A Hall*

**Chair: Avraham Gal**, Hebrew University of Jerusalem

09:00 Fundamental Symmetries in Atoms and Nuclei  
Wick Haxton (University of Washington)

10:00-10:30 **Coffee Break**

10:30 QCD  
Tetsuo Hatsuda (Tokyo University)

11:30 Hot and Dense Matter  
Alexander Milov (Weizmann Institute of Science)

12:30-14:00 **Lunch Break**

*Location: Tarshish A Hall*

**Chair: Danny Ashery**, Tel Aviv University

14:00 Astro-Particle Physics  
Francis Halzen (University of Wisconsin)

15:00-15:30 **Coffee Break**

15:30 Neutrino Physics  
Boris Kayser (Fermilab)

16:30 Nucleon and Hadronic Structure  
Gerald A. Miller (University of Washington)

### **19:00-21:00 Welcome Reception**

## **Monday 10 November 2008**

### **09:00-10:30 Plenary 1-A**

*Location: Big Blue Hall*

**Chair: Sam Aronson**, BNL

09:00 Welcome

Itzhak Tserruya (Weizmann Institute of Science)

Harry J. Lipkin (Weizmann Institute of Science)

09:20 Neutrino Physics

Concha Gonzalez-Garcia (ICREA-Barcelona University and YITP-Stony Brook)

10:00 Neutrino Astrophysics

Eli Waxman (Weizmann Institute of Science)

10:30-11:00

**Coffee break**

### **11:00-12:30 Plenary 1-B**

*Location: Big Blue Hall*

**Chair: Wick Haxton**, University of Washington

11:00 Nuclear Astrophysics

Hendrik Schatz (Michigan State University)

11:30 Standard Model for Cosmology

Avishai Dekel (Hebrew University of Jerusalem)

12:00 Search for Dark Matter

Dan Akerib (Case Western Reserve University)

12:30-14:15

**Lunch Break**

### **14:15-16:05 Parallel I: Fundamental symmetries and conservation laws**

*Location: Snapir Hall at Dan Panorama Hotel*

**Chair: Michael Hasinoff**, University of British Columbia

14:15 Fundamental Measurements with Muons - View from PSI

Bernhard Lauss (Paul Scherrer Institut, Villigen)

14:35 A Precision Measurement of Muon Decay Parameters

Art Olin (TRIUMF and Victoria University)

14:50 Beta Neutrino Correlation Measurement with Trapped Radioactive Ions

Gilles Ban (LPC, CAEN)

15:05 WITCH, a Double Penning Trap Experiment for Weak Interaction Studies

Michael Tandecki (KU Leuven)

15:20 Isospin-Symmetry-Breaking Corrections to Superallowed Fermi Beta Decay

Gerald A. Miller (University of Washington)

15:35 The Weak Structure of the Nucleon from Muon Capture on  $^3\text{He}$

Doron Gazit (University of Washington)

15:50 Search for Tensor Type Weak Currents by Measuring the Beta Asymmetry Parameter in Nuclear Beta Decay.

Frederik Wauters (KU Leuven)

## **14:15-16:05 Parallel I: Future facilities and detectors**

*Location: Coral B Hall*

**Chair: Paola Gianotti**, INFN, Frascati

- 14:15 The 12 GeV JLab Upgrade Project  
Elton Smith (Jefferson Lab)
- 14:35 Silicon Detector Telescope with Digital Signal Processing for Proton Detection in Electron Scattering on Nuclei at MAMI  
Mihael Makek (University of Zagreb)
- 14:50 The Photon Spectrometer of the ALICE Experiment  
Hille Per Thomas (University of Oslo)
- 15:05 Study of the Mechanisms of Pixelated Photon Detector (PPD)  
Hidetoshi Otono (University of Tokyo)
- 15:20 Recent Progress in THGEM-based Detectors  
Marco Cortesi (Weizmann Institute of Science)
- 15:35 Commissioning of CMS at LHC  
Wolfgang Funk (CERN)
- 15:50 ATLAS detector commissioning  
Paolo Morettini (INFN, Genova)

## **14:15-16:05 Parallel I: Hadronic structure: light baryon and meson resonances**

*Location: Tarshish A Hall*

**Chair: Bingsong Zou**, IHEP, Beijing

- 14:15 Baryon and Meson Resonances  
Eulogio Oset (University of Valencia)
- 14:35 Photoproduction of  $\Sigma^0(1385)$  and  $\Lambda(1405)$  on the Proton Near Threshold  
Masayuki Niiyama (RIKEN)
- 14:50 Meson-Baryon Threshold Effects in the Light-Quark Baryon Spectrum  
Pedro Gonzalez (University of Valencia)
- 15:05 Exploring Three-Meson Systems Using Chiral Dynamics  
Kanchan Khemchandani (University of Valencia)
- 15:20 Study of Light Scalar Mesons Properties at KLOE  
Salvatore Fiore (University of Rome)
- 15:35 Meson Production from Diffractive Pion Dissociation at COMPASS  
Sebastian Neubert (TU Munich)
- 15:50 New Narrow Nucleon  $N(1685)$   
Maxim Polyakov (Ruhr University, Bochum)

## **14:15-16:05 Parallel I: Neutrino physics**

*Location: Fiesta Hall*

**Chair: Ed Hungerford**, University of Houston

- 14:15 Neutrinoless Double Beta Decay and Absolute Mass Measurements  
Yorck Ramachers (University of Warwick)
- 14:35 Search for Neutrinoless Double Beta Decay with NEMO-3  
Zornitza Daraktchieva (University College London)
- 14:50 From Cuoricino to CUORE, the Bolometric Way to Double Beta Decay  
Maria Martinez (INFN, Milano)
- 15:05 Probing the Absolute Neutrino Mass Scale  
Joseph Formaggio (MIT)
- 15:20 The Enriched Xenon Observatory for Double Beta Decay EXO  
Bjorn Flatt (Stanford University)
- 15:35 GERDA: Study of the Neutrinoless Beta Decay in Ge-76  
Vasily Kornoukhov (ITEP, Moscow)

## **14:15-16:05 Parallel I: Heavy flavor, CP violation and rare decays**

*Location: Coral A Hall*

**Chair: Guy Wormser**, Orsay

- 14:15 Update on the Unitarity Triangle Analysis (UTFit)  
Cecilia Tarantino (INFN, Rome)
- 14:35 Mass Effects in Semileptonic  $b \rightarrow c$  and Muon Decays  
Andrzej Czarnecki (University of Alberta)
- 14:50 Measurement of the  $K^+ \rightarrow \pi^+ \nu \bar{\nu}$  Branching Ratio  
Toshio Numao (TRIUMF)
- 15:05 Rare B Decays at BaBar  
Fernando Palombo (Milan University)
- 15:20 Prospects for New Physics in CP-Violation and Rare Decays at LHCb  
Pascal Perret (Clermont-Ferrand University)
- 15:35 On the role of the final state interactions in rare B decays  
Mikhail Vysotsky (ITEP, Moscow)
- 15:50 CP Asymmetries in  $B \rightarrow f_0 K(S)$  Decays  
Susan Gardner (University of Kentucky)

## **14:15-16:05 Parallel I: Hot and dense matter**

*Location: Big Blue Hall A*

**Chair: Krzysztof Redlich**, Wroclaw University

- 14:15 Electromagnetic Probes in Heavy-Ion Collisions  
Hendrik van Hees (Giessen University)
- 14:35 Dielectron production at 1-2 AGeV with HADES  
Witold Przygoda (Jagiellonian University, Krakow)
- 14:50 Role of Axialvector Mesons Near the Chiral Phase Transition  
Chihiro Sasaki (TU Munich)
- 15:05 Evidence for the Production of Thermal-like Muon Pairs with Masses above 1 GeV/  $c^2$  in 158A GeV Indium-Indium Collisions  
Ruben Shahoyan (CERN and LIP)
- 15:20 Low Mass Vector Meson Measurements via Di-electrons at RHIC by the PHENIX Experiment  
Deepali Sharma (Weizmann Institute of Science)
- 15:35 Enhanced Dilepton production at RHIC energies  
Axel Drees (Stony Brook University)
- 15:50 Phase Transitions and the Perfectness of Fluids  
Jiunn-Wei Chen (National Taiwan University)

## **14:15-16:05 Parallel I: Nuclear and particle astrophysics and cosmology**

*Location: Tarshish B Hall*

**Chair: Tadafumi Kishimoto**, Osaka University

- 14:15 Relativistic MOND as an Alternative to the Dark Matter Paradigm  
Jacob Bekenstein (Hebrew University of Jerusalem)
- 14:35 Shedding Light on Dark Matter: How Faraday Rotation Can Limit a Dark Magnetic Moment  
Susan Gardner (University of Kentucky)
- 14:50 Search for Dark Matter Axion with Rydberg Atoms  
Ken'ichi Imai (Kyoto University)
- 15:05 The XENON100 Dark Matter Experiment  
Marc Schumann (Rice University)
- 15:20 Search for Dark Matter with the AMANDA and IceCube Neutrino Detectors  
Catherine De Clercq (Vrije Universiteit Brussel)
- 15:35 The Minimal Model for Two Dark Matter Components with Supersymmetry  
Jihn E. Kim (Seoul National University)
- 15:50 Short Range Nucleon Correlations and the Fate of Neutron and Hyperon Stars  
Leonid Frankfurt (Tel Aviv University)

## **14:15-16:05 Parallel I: QCD: nucleon spin**

*Location: Big Blue Hall B*

**Chair: Jechiel Lichtenstadt**, Tel Aviv University

- 14:15 Nucleon Polarized Parton Distribution Functions  
Gerhard K. Mallot (CERN)
- 14:35 Constraints on Gluon Polarization in the Proton from PHENIX Double Helicity Asymmetry Data  
Alexander Bazilevsky (BNL)
- 14:50 Recent Longitudinal Spin Asymmetry Measurements for Inclusive Jet Production at STAR  
David Staszak (UCLA)
- 15:05 New COMPASS Results on Inclusive and Semi-Inclusive Polarised DIS  
Helena Santos (LIP , Lisbon)
- 15:20 Spin Structure Function Measurements in Hall C at Jefferson Lab.  
Stephen Wood (Jefferson Lab)
- 15:35 New Results on Delta\_G/G from COMPASS Experiment at CERN  
Jan Nassalski (Soltan Institute for Nuclear Studies, Warsaw)
- 15:50 Exploring Gluon Polarization in the Proton with Inclusive and Correlation Measurements at STAR  
Bernd Surrow (MIT)

## **14:15-16:05 Parallel I: Standard Model, physics beyond it and search for new particles**

*Location: Sea Star Hall at Dan Panorama Hotel*

**Chair: Jiri Hosek**, NPI, Rez.

- 14:15 Probing for Physics Beyond the Standard Model with Low Energy Accelerators and Nuclear Reactors  
Mark Pitt (Virginia Tech)
- 14:35 Searches for Resonances with Leptons at CDF  
Anadi Canepa (Pennsylvania University)
- 14:50 New Gauge Bosons and Leptoquarks at the LHC with CMS  
Oana Boeriu (Northeastern University)
- 15:05 Factorization and Resummation for Color Octet Production at the LHC in Effective Theory  
Ahmad Idilbi (Duke university)
- 15:20 The Proton Spectrum in Neutron Beta Decay: Latest Results with the aSPECT Spectrometer  
Gertrud Konrad (Mainz University)
- 15:35 Perkeo III: Measurements of Correlation Coefficients in Neutron Decay at High Count Rates  
Bastian Maerkisch (Heidelberg University)
- 15:50 Search for Heavy Majorana Neutrinos and Right-Handed Bosons in CMS  
Mikhail Kirsanov (Institute for Nuclear Research, Russian Federation)
- 16:05-16:35 **Coffee Break**

## **16:35-18:10 Parallel II: Hot and dense matter**

*Location: Big Blue Hall A*

**Chair: Peter Jacobs, LBNL**

- 16:35 High  $p_T$  Hadrons and Jets: from RHIC to LHC  
David d'Enterria (MIT)
- 16:55 PHENIX Results on the Center-of-Mass Energy Dependence of Jet-Quenching  
Christoph Baumann (Muenster University)
- 17:10 Jet Measurements with the EMCal of the ALICE Experiment  
Terry Awes (Oak Ridge National Laboratory)
- 17:25 Study of Jets in Heavy Ion Collisions using the ATLAS Detector  
Martin Spousta (Charles University, Prague)
- 17:40 Hot and Dense QCD Matter Studies with Relativistic Nuclear Collisions in the CMS Experiment at the LHC  
Lioudmila Sarycheva (Moscow State University)
- 17:55 Time Evolution of Thermal Photon Elliptic Flow  
Rupa Chatterjee (VECC, Kolkata)

## **16:35-18:05 Parallel II: Neutrino physics**

*Location: Fiesta Hall*

**Chair: Yossi Nir, Weizmann Institute of Science**

- 16:35 Measuring Atmospheric Neutrinos at the Sudbury Neutrino Observatory  
Joseph Formaggio (MIT)
- 16:50 Results from the Third Phase of SNO  
Christine Kraus (Queen's University)
- 17:05 The first year of Borexino  
Oleg Smirnov (JINR, Dubna)
- 17:20 Recent Results and Future Prospects from the MINOS Experiment  
Jonathan Paley (Indiana University)
- 17:35 The OPERA Neutrino Oscillation Experiment: Results of the First Year of Data Taking  
Nicola D'Ambrosio (Gran Sasso)
- 17:50 MiniBooNE Neutrino Oscillation Results  
Zelimir Djurcic (Columbia University)

## **16:35-18:15 Parallel II: Hadronic structure: form factors**

*Location: Tarshish A Hall*

**Chair: Arie Bodek**, Rochester University

- 16:35 New Proton Form Factor Ratio Recoil Polarization Measurements in Hall C at JLab  
Charles F. Perdrisat (College of William and Mary, Williamsburg)
- 16:55 A New Measurement of the Proton Electromagnetic Form Factor Ratio at Low  $Q^2$   
Guy Ron (Tel Aviv University)
- 17:10 Measurement of the Electric Form Factor of the Neutron at High Momentum Transfer  
Jonathan Miller (University of Maryland)
- 17:25 Measurement of the Structure of the Proton at HERA  
Michal Wlasenko (University of Bonn)
- 17:40 Search for Gluonic Hybrid Mesons via Photoproduction at Jefferson Lab  
Paul Eugenio (Florida State University)
- 17:55 Double Polarization Observables in Eta Electroproduction  
Harald Merkel (Mainz University)

## **16:35-18:10 Parallel II: Hadronic structure: charm, bottom and exotics**

*Location: Tarshish B Hall*

**Chair: Marek Karliner**, Tel Aviv University

- 16:35 Charm and Bottom Exotics -- Theory  
Eric Swanson (University of Pittsburgh)
- 16:55 Charmonium Spectroscopy and New States at BaBar  
William Dunwoodie (SLAC, Stanford University)
- 17:10 Charm and charmonium-like spectroscopy from Belle  
Tagir Aushev (EPFL, Lausanne)
- 17:25 Bottomonium Spectroscopy at BaBar  
Silvano Tosi (INFN, Genova)
- 17:40 Study of Strange and Charmed Dibaryons  
Humberto Garcilazo (Instituto Politecnico Nacional, Mexico)
- 17:55 Physics Programme of PANDA at FAIR  
Inti Lehmann (University of Glasgow)

## **16:35-18:10 Parallel II: Standard Model and search for new particles**

**Location:** *Snapir Hall at Dan Panorama Hotel*

**Chair:** **Pekka Sinervo**, Toronto University and Weizmann Institute of Science

- 16:35 Prospects for Physics Beyond the Standard Model at the LHC  
Michael Schmitt (Northwestern University)
- 16:55 Searches for New Physics Hidden in the Top Quark Sector from CDF  
Andrei Loginov (Yale University)
- 17:10 Recent Top Quark Results from D0  
Amnon Harel (University of Rochester)
- 17:25 Finding Heavy Long-lived Charged Particles with the ATLAS Detector  
Sofia Vallecorsa (Technion, Haifa)
- 17:40 Search for Monojets and Black Holes with CMS  
Leonardo Sala (INFN, Milano)
- 17:55 Top Quark Mass Measurements from CDF  
Ford Garberson (FNAL)

## **16:35-18:10 Parallel II: Standard Model and physics beyond it**

**Location:** *Sea Star Hall at Dan Panorama Hotel*

**Chair:** **Jacob Bekenstein**, Hebrew University of Jerusalem

- 16:35 Search for Physics Beyond the Standard Model with Table- Top Precision Measurements  
Aharon Kapitulnik (Stanford University)
- 16:55 Neutron Scattering and Extra-Short-Range Interactions  
Valery V Nesvizhevsky (Institute Laue-Langevin, Grenoble)
- 17:10 Precise Measurement of the  $(\pi \rightarrow e \nu)/(\pi \rightarrow \mu \nu)$  Branching Ratio  
Toshio Numao (TRIUMF)
- 17:25 New Way for nEDM Search by Crystal Diffraction Method. Test Experiment  
Valery Fedorov (PNPI, St. Petersburg)
- 17:40 Dynamical Electroweak Symmetry Breaking in  $SO(5) \times U(1)$  Gauge-Higgs Unification in the Randall-Sundrum Warped Space  
Yutaka Hosotani (Osaka University)
- 17:55 Positronium and Polyelectrons  
Andrzej Czarnecki (University of Alberta)

## **16:35-18:10 Parallel II: QCD: chiral dynamics and few nucleon systems**

*Location: Coral B Hall*

**Chair: Daniel Phillips, Ohio University**

- 16:35 Chiral Dynamics in Nuclei  
Evgeny Epelbaum (IKP, Juelich and Bonn University)
- 16:55 Electron Scattering off  $4\text{He}$  with Three-Nucleon Forces  
Winfried Leidemann (Trento University)
- 17:10 Two-Body Photodisintegration of  $3\text{He}$ ,  $4\text{He}$ , and  $2\text{He}$  up to 1.5 GeV  
Barry Berman (George Washington University)
- 17:25 Double-Pionic Fusion in Nucleon Collisions on Few-Body Systems --the ABC Effect and its Possible Origin  
Mikhail Bashkanov (Tuebingen University)
- 17:40 Chiral Nuclear Forces with Delta Degrees of Freedom  
Hermann Krebs (Bonn University)
- 17:55 Testing Nucleonic Forces with Three Nucleon Reactions  
Henryk Witala (Jagiellonian University, Krakow)

## **16:35-18:05 Parallel II: QCD**

*Location: Big Blue Hall B*

**Chair: Alexei Sissakian, JINR, Dubna**

- 16:35 Hadronic Light-Front Wavefunctions from AdS/QCD  
Stanley J. Brodsky (SLAC, Stanford University)
- 16:50 Weak-Interacting Holographic QCD  
Doron Gazit (INT, Seattle)
- 17:05 Relativistic Chiral Theory of Nuclear Matter and QCD Constraints  
Guy Chanfray (IPN, Lyon)
- 17:20 Probing Photon Structure in DVCS on a Photon Target  
Lech Szymanowski (Soltan Institute for Nuclear Studies, Warsaw)
- 17:35 Jet Production in Diffractive and Non-Diffractive Scattering at HERA  
Joerg Gayler (DESY, Hamburg)
- 17:50 The Nature of Baryon Resonances in the Chiral Unitary Approach  
Atsushi Hosaka (Osaka University)

## **16:35-18:10 Parallel II: Heavy flavor, CP violation and rare decays**

*Location: Coral A Hall*

**Chair: Dmitri Kharzeev, BNL**

- 16:35 Heavy-Flavor Production at Accelerators  
Nikolaos Kidonakis (Kennesaw State University)
  
- 16:55 Understanding Charm and Bottom Production at RHIC  
Ramona Vogt (LLNL and UC Davis)
  
- 17:10 Search for Beyond the Standard Model Phenomena in Flavour Changing Neutral Current in B-mesons and Top Quark Decays with the ATLAS Detector  
Enrique Kajomovitz (Technion, Haifa)
  
- 17:25 Topics in Heavy Quark (Top and Bottom) Physics at CMS  
Lea Michaela Caminada (ETH, Zurich)
  
- 17:40 Heavy Quark Results from HERA  
Martin Brinkmann (Hamburg University)
  
- 17:55 Measurement of an Excited Charmonium State and the Study of J/psi Polarization in PHENIX Experiment at RHIC  
Marisilvia Donadelli (Sao Paulo University)

## **Tuesday 11 November 2008**

### **09:00-10:10 Plenary 2-A**

*Location: Big Blue Hall*

**Chair: Torleif Ericson, CERN**

09:00 Fundamental Symmetries and Conservation Laws  
Stuart Freedman (UC Berkeley and LBNL)

09:40 Hadronic Spectrum - Multiquark States  
Stephen Olsen (Hawaii University)

10:10-10:40 **Coffee break**

### **10:40-12:20 Plenary 2-B**

*Location: Big Blue Hall*

**Chair: Jean-Michel Poutissou, TRIUMF**

10:40 Heavy Flavor, CP Violation and Rare Decays  
Yuval Grossman (Cornell University)

11:10 AdS/CFT Overview and Recent Applications to Strongly Interacting Systems  
Dam Thanh Son (INT, Seattle)

11:40 Physics Beyond the Standard Model  
Hitoshi Murayama (Tokyo University and LBNL)

12:20 -14:15 **Lunch Break**

## **14:15-16:05 Parallel III: Fundamental symmetries and conservation laws**

*Location: Snapir Hall at Dan Panorama Hotel*

**Chair: Andrzej Czarnecki, University of Alberta**

14:15 Atomic Parity Violation Experiments at Berkeley  
Dmitri Budker (UC Berkeley)

14:35 New Directions in Atomic Parity Violation  
Marianna Safronova (University of Delaware)

14:50 The Francium MOT at LNL: Towards Fundamental Physics Experiments  
Emilio Mariotti (University of Siena)

15:05 Atomic Physics Tests of the Standard Model  
Jonathan Sapirstein (University of Notre Dame)

15:20 Measuring the Weak Charge of the Proton – a Search for Physics Beyond the Standard Model  
Allena Opper (George Washington University)

15:35 On Anomalies and Anomalous Interactions of Vector Particles  
Arkady Vainshtein (University of Minnesota)

15:50 Towards Antihydrogen Confinement with the ALPHA Trap  
Jeffrey Hangst (Aarhus University)

## **14:15-16:05 Parallel III: Standard Model, physics beyond it and search for new particles**

*Location: Sea Star Hall at Dan Panorama Hotel*

**Chair: Shlomit Tarem**, Technion, Haifa

- 14:15 QCD Predictions for the LHC  
Charalampos Anastasiou (ETH, Zurich)
- 14:35 Search for the Standard Model Higgs at Dzero  
Philip Rich (University of Manchester)
- 14:50 Searches for SM Higgs with the ATLAS Experiment at LHC  
Evelin Meoni (INFN, Cosenza)
- 15:05 Higgsless Models of Electroweak Symmetry Breaking in the LHC Era  
Elizabeth Helen Simmons (Michigan State University)
- 15:20 Prospects for Early Measurements of W and Z Bosons with CMS at the LHC  
Jeffrey Berryhill (FNAL)
- 15:35 Early Standard Model Measurements with the ATLAS Detector  
Joost Vosseveld (Liverpool University)
- 15:50 Prospects for SUSY Discovery and Measurements with the ATLAS Detector at the LHC  
Michele Consonni (Radboud University Nijmegen)

## **14:15-15:25 Parallel III: Neutrino physics**

*Location: Fiesta Hall*

**Chair: Boris Kayser**, Fermilab

- 14:15 Neutrinos in Cosmology  
Steen Hannestad (University of Aarhus)
- 14:35 Prospects for the Direct Detection of the Cosmic Neutrino Background  
Andreas Ringwald (DESY)
- 14:55 Detecting Cosmic Neutrinos with Beta Decaying Nuclei  
Bob McElrath (CERN)
- 15:10 Searching for Quantum Gravity with High-Energy Atmospheric Neutrinos and AMANDA-II  
John Kelley (University of Wisconsin)

## **15:30-16:20 Parallel III: Recent measurements of electron capture in nuclei**

*Location: Fiesta Hall*

**Chair: Dirk Schwalm**, Weizmann Institute of Science

- 15:30 Time-Modulation of Orbital Electron Capture Decays by Mixing of Massive Neutrinos  
Paul Kienle (TU Munich)
- 15:50 Search for Oscillation of the Electron-Capture Decay Probability of  $^{142}\text{Pm}$   
Stuart Freedman (UC Berkeley and LBNL)
- 16:10 Discussion

## **14:15-16:05 Parallel III: Hadronic structure: Lambda hypernuclei**

*Location: Tarshish A Hall*

**Chair: Toshio Motoba**, Osaka Electro-Communication University

- 14:15 Structure of p-Shell Hypernuclei and the Spin-Dependence of YN Interactions from Gamma-Ray Spectroscopy  
John Millener (BNL)
- 14:35 The Second Generation Hypernuclear Spectroscopy at JLab Hall C (E01-011 experiment)  
Akihiko Matsumura (Tohoku University)
- 14:50 Study of Hypernuclei with Heavy Ion Beams at GSI  
Shizu Minami (GSI)
- 15:05 Applications of In-medium Chiral SU(3) Dynamics: Hypernuclear Structure  
Paolo Finelli (University of Bologna and INFN)
- 15:20 Decay Widths and the Asymmetry Parameters of the Non-Mesonic Weak Decay of Light Hypernuclei  
Haruhiko Ota (RIKEN)
- 15:35 Recent Results on Mesonic and Non-Mesonic Weak Decays of Hypernuclei with FINUDA  
Elena Botta (INFN, Torino)
- 15:50 Asymmetric Weak Decay of Hypernuclei: Two-Pion-Exchange Mechanism  
Gianni Garbarino (University of Torino)

## **14:15-16:05 Parallel III: Future facilities and detectors**

*Location: Coral B Hall*

**Chair: Alexander Sorin**, JINR

- 14:15 The SuperBelle project  
Rok Pestotnik (Jožef Stefan Institute, Ljubljana)
- 14:35 GEM Detectors Activity at the Laboratori Nazionali di Frascati of INFN  
Giovanni Bencivenni (INFN, Frascati)
- 14:50 The PANDA Detector at FAIR  
Lars Schmitt (GSI)
- 15:05 The STAR Heavy Flavor Tracker Upgrade  
Gerrit van Nieuwenhuizen (MIT)
- 15:20 Probing the QGP with calorimeters in the PHENIX experiment at RHIC  
Edouard Kistenev (BNL)
- 15:35 The ATLAS Upgrade for the SLHC  
Robert Richter (MPI, Munich)
- 15:50 The New High-Intensity Ultracold Neutron Source at PSI  
Reinhold Henneck (Paul Scherrer Institut, Villigen)

## **14:15-16:05 Parallel III: QCD: baryon and meson spin**

*Location: Big Blue Hall B*

**Chair: Abhay Deshpande**, Stony Brook University

- 14:15 Final HERMES Results on DVCS Transverse Target Spin Asymmetries  
Eduard Avetisyan (DESY)
- 14:35 Transverse Spin Effects in COMPASS  
Andrea Bressan (University of Trieste)
- 14:50 Measurement of the Eta Meson Transverse Single Spin Asymmetry AN at Large Feynman XF  
with the STAR Forward Pion Detector  
Steven Heppelmann (Penn State University)
- 15:05 Measurement of the  $\cos(\phi)$  and  $\cos(2\phi)$  Azimuthal Moments of the Deep Inelastic  
Scattering Cross-section  
Rebecca Lamb (University of Illinois, Urbana)
- 15:20 Measurement of the Longitudinal Spin Transfer to Lambda and Anti-Lambda Hyperons at  
COMPASS  
Stephane Platchkov (CEA, Saclay)
- 15:35 HERMES Measurements of Single Transverse-Spin Asymmetries in Pion, Kaon, and Pion-Pair  
Production in Deep-Inelastic Scattering off Transversely Polarized Protons  
Gunar Schnell (DESY)

## **14:15-16:05 Parallel III: Heavy flavor, CP violation and rare decays**

*Location: Coral A Hall*

**Chair: Ramona Vogt**, LLNL and UC Davis

- 14:15 Flavor Physics at Hadron and Lepton Colliders  
Guy Wormser (LAL, Orsay)
- 14:35 Charm Mixing, CP Violation and Rare D Decays at BaBar  
William Lockman (UC, Santa Cruz)
- 14:50 Mixing and CP Violation in Heavy Meson Decays from Belle  
Anze Zupanc (Jožef Stefan Institute, Ljubljana)
- 15:05 Heavy Quarkonia Results from CLEO-c  
Matthew Shepherd (Indiana University)
- 15:20 Leptonic and Semileptonic Decays of D and Ds Mesons at CLEO-C  
Matthew Shepherd (Indiana University)
- 15:35 Recent Results on CPV by the NA48 Experiment at CERN  
Evgueni Goudzovski (Birmingham University)
- 15:50 Estimate of the Branching Fraction  $\tau^- \rightarrow \eta \pi \nu_\tau$ , the  $a(980)$ , and Non-standard Weak  
Interactions  
Abner Soffer (Tel Aviv University)

## **14:15-16:05 Parallel III: Hot and dense matter**

*Location: Big Blue Hall A*

**Chair: Burkhard Kampfer**, RZ Dresden

- 14:15 Initial Conditions and Small  $x$   
Tuomas Lappi (IPhT CEA/Saclay)
- 14:35 Holographic QCD in Electric and Magnetic Fields  
Matthew Lippert (Technion, Haifa)
- 14:50 Influence of QCD Phase Structure on the Dynamics and Observables in Heavy-Ion Collisions  
Stefan Schramm (Frankfurt University)
- 15:05 Symmetry, Confinement and the Phase Diagram of QCD  
Adriano Di Giacomo (Pisa University and INFN, Pisa)
- 15:20 An Estimate for the Location of QCD Critical End Point  
Roy Lacey (Stony Brook University)
- 15:35 Nuclear Stopping from  $p+p$  to  $Au+Au$   
Ian Bearden (Niels Bohr Institute, Copenhagen)
- 15:50 How Different are Proton and Ion Collisions at RHIC?  
Michael Lisa (Ohio State University)

## **14:15-16:05 Parallel III: Nuclear and particle astrophysics and cosmology**

*Location: Tarshish B Hall*

**Chair: Barry Davids**, TRIUMF

- 14:15 Probing the Physics of Cosmic Accelerators Using VHE Gamma-Ray and UHE Cosmic-Ray Astronomy  
Amir Levinson (Tel Aviv University)
- 14:35 High Energy Neutrino Detection in the ANTARES Underwater Neutrino Telescope  
Herbert Lohner (Groningen University)
- 14:50 CN-Cycle Solar Neutrinos and Sun's Primordial Core Metallicity  
Wick Haxton (University of Washington)
- 15:05 News from the South Pole: Recent Results from the IceCube and AMANDA Neutrino Telescopes  
Alexander Kappes (University of Wisconsin)
- 15:20 Cosmic Rays from Thermal Sources  
Grzegorz Wilk (The Andrzej Soltan Institute for Nuclear Studies, Warsaw)
- 15:35 Anisotropy of Ultra High Energy Cosmic Rays  
Tamar Kashti (Weizmann Institute of Science)
- 15:50 Cosmic Rays from Transrelativistic Supernovae  
Ran Budnik (Weizmann Institute of Science)

## **16:30-18:30 Poster Session**

## **18:30-20:00 Public Science Lecture**

*Location: Big Blue Hall*

**Chair: Avivi Yavin**, Tel Aviv University

18:30 Ecology of the Gulf of Aqaba  
Amatzia Genin (Hebrew University of Jerusalem)

## **Wednesday 12 November 2008**

### **09:00-10:40 Plenary 3-A**

*Location: Big Blue Hall*

**Chair: Dmitri Diakonov**, PNPI, St. Petersburg

- 09:00 Low-Energy QCD and Hadronic Structure  
Wolfram Weise (TU Munich)
- 09:40 Nucleon Structure Using em Probes  
John Arrington (ANL)
- 10:10 Short Range Correlations and Color Transparency  
Eli Piassetzky (Tel Aviv University)

10:40-11:00

**Coffee break**

### **11:00-12:30 Plenary 3-B**

*Location: Big Blue Hall*

**Chair: Kenichi Imai**, Kyoto University

- 11:00 Generalized Parton Distributions  
Michel Guidal (IPN, Orsay)
- 11:30 Spin Physics - Experimental Overview  
Delia Hasch (Frascati)
- 12:00 Spin Physics - Theoretical Overview  
Werner Vogelsang (BNL)

12:30 –14:15

**Lunch Break**

### **14:15-18:30 Free afternoon / Excursion**

## **Thursday 13 November 2008**

### **09:00-10:30 Plenary 4-A**

*Location: Big Blue Hall*

**Chair: Barbara Jacak**, Stony Brook University

- 09:00 In Memoriam- Zeev Fraenkel
- 09:30 Hot and Dense Matter from RHIC to LHC - Theoretical Overview  
Dmitri Kharzeev (BNL)
- 10:00 Hot and Dense Matter: Soft Probes from RHIC to LHC  
Peter Steinberg (BNL)

10:30-11:00 **Coffee break**

### **11:00-12:30 Plenary 4-B**

*Location: Big Blue Hall*

**Chair: Jean Paul Blaizot**, CEA, Saclay

- 11:00 Hot and Dense Matter: Hard Probes from RHIC to LHC  
Marco Van Leeuwen (Utrecht University)
- 11:30 Lattice QCD  
Sinya Aoki (Tsukuba University)
- 12:00 Strangeness Nuclear Physics  
Hirokazu Tamura (Tohoku University, Sendai)

12:30-14:15 **Lunch Break**

### **14:15-16:10 Parallel IV: Nuclear and particle astrophysics and cosmology**

*Location: Tarshish B Hall*

**Chair: Juergen Schaffner-Bielich**, Heidelberg University

- 14:15 Nuclear Astrophysics with Cosmic Gamma-Rays  
Roland Diehl (MPE, Garching)
- 14:35 Supernovae as Nuclear and Particle Physics Laboratories  
Matthias Liebendoerfer (University of Basel)
- 14:55 Neutron Stars as a Probe for Dense Matter  
Veronica Dexheimer (Frankfurt University)
- 15:10 Thermal Effects on the Evolution of Neutron Stars  
Sarmistha Banik (Frankfurt University)
- 15:25 The Trace of Axions in the Luminosity Function of White Dwarfs  
Jordi Isern (UAB, Barcelona)
- 15:40 Hadronic Star Matter in an RMF Model with Logarithmic Chiral SU(3) Potential  
Kohsuke Tsubakihara (Hokkaido University)
- 15:55 Astrophysical Implications of Strong CP Violation  
Pietro Faccioli (Trento University and INFN)

## **14:15-16:05 Parallel IV: Fundamental symmetries and conservation laws**

*Location: Snapir Hall at Dan Panorama Hotel*

**Chair: Gerald A. Miller**, University of Washington

- 14:15 Probing Fundamental Symmetries at Very Low Energies with Neutrons and Nuclei  
Stephan Paul (TU Munich)
- 14:35 The Neutron Alphabet: Exploring the Properties of Fundamental Interactions  
Hartmut Abele (TU Munich and Heidelberg University)
- 14:50 Search for Exotic Couplings in Neutron Decay: A Measurement of the Transverse Polarization of Electrons  
Kazimierz Bodek (Jagiellonian University, Krakow)
- 15:05 PENeLOPE: On the Way Towards a Precise Neutron Lifetime Measurement  
Ruediger Picker (TU Munich)
- 15:20 Measurement of the Parity-Violating Asymmetry in the Reactions of Cold Polarized Neutrons and Light Nuclei  ${}^6\text{Li}$ ,  ${}^{10}\text{B}$   
Valery V Nesvizhevsky (Institute Laue-Langevin, Grenoble)
- 15:35 Highly Sensitive  ${}^3\text{He}$  Magnetometer for Neutron EDM Experiments and Lorentz Invariance Tests  
Yury Sobolev (Mainz University)
- 15:50 Diffraction Method to Test the Weak Equivalence Principle for Neutron  
Vladimir Voronin (PNPI, St. Petersburg)

## **14:15-16:05 Parallel IV: Future facilities and detectors**

*Location: Coral B Hall*

**Chair: Halina Abramowicz**, Tel Aviv University

- 14:15 Probing the Gluonic Structure of Matter: Physics and Status of the Electron Ion Collider  
Abhay Deshpande (Stony Brook University)
- 14:35 Status of Double Chooz Reactor Neutrino Oscillation Experiment  
Zelimir Djurcic (Columbia University)
- 14:50 A Hadron Blind Detector Upgrade for the PHENIX Experiment  
Zvi Citron (Stony Brook University)
- 15:05 The NA62 Rare Kaon Decay Experiment Photon Veto System  
Mauro Raggi (INFN Frascati)
- 15:20 Light Radioactive Beams for Astrophysics and Neutrino Physics using Secondary Fast Neutrons  
Tsviki Y Hirsh (Weizmann Institute of Science)
- 15:35 Plans for the Cherenkov Telescope Array CTA  
Stefan Schlenstedt (DESY)
- 15:50 Prospects for a Large Hadron-electron Collider (LHeC) at the LHC  
Allen Caldwell (MPI Munich)

## 14:15-16:05 Parallel IV: Hadronic structure: kaon nuclear interactions

*Location: Tarshish A Hall*

**Chair: Ryugo Hayano**, University of Tokyo

- 14:15 Antikaon Interactions in Nuclei (Experiment)  
Tullio Bressani (INFN, Torino)
- 14:35 Search for the Kaonic Nuclear State  $K\text{-pp}$  in the  $p + p \rightarrow K^+ + K\text{-pp}$  Reaction with FOPI  
Ken Suzuki (Stefan Meyer Institute, Vienna)
- 14:50 Lambda N Correlations from the Negative Kaon Absorption on Helium 4  
Takatoshi Suzuki (University of Tokyo)
- 15:05 Study of Kaon Two-Nucleon Absorption at Rest with FINUDA  
Hiroyuki Fujioka (Kyoto University)
- 15:20 Variational Calculation of  $K\text{-pp}$  with Chiral SU(3)-based  $K\text{bar}N$  Interaction  
Akinobu Dote (IPNS, KEK)
- 15:35 On K-Few-Nucleon Nuclear Systems  
Slawomir Wycech (Institute for Nuclear Studies, Warsaw)
- 15:50 Three Nucleon K- Absorption in Nuclei  
Volodymyr Magas (University of Barcelona)

## 14:15-16:00 Parallel IV: Heavy flavor, CP violation and rare decays

*Location: Coral A Hall*

**Chair: Abner Soffer**, Tel Aviv University

- 14:15 CP violation  
Nita Sinha (Institute of Mathematical Sciences, Taramani)
- 14:35 Measurement of  $B_s$  Oscillations and CP Violation Results from D0  
John Ellison (UC, Riverside)
- 14:55 Update on Measurement of the Angles and Sides of the Unitary Triangle at BaBar  
Chih-Hsiang Cheng (Cal Tech)
- 15:15 Is the Unitarity Triangle Right?  
Paul Harrison (University of Warwick)
- 15:30 D0 Results on B Hadron Spectroscopy and B Hadron Properties  
Ron Lipton (FNAL)
- 15:45 Study of Annihilation and Radiative Decays of Heavy Mesons and  $B_c$  Mass and Lifetime at D0  
Isabelle Ripp-Baudot (IPHC, Strasbourg)

## **14:15-16:05 Parallel IV: Hot and dense matter**

*Location: Big Blue Hall A*

**Chair: Horst Stoecker, GSI**

- 14:15 Collective Phenomena in Non-Central Nuclear Collisions  
Sergei Voloshin (Wayne State University)
- 14:35 Global Observables for Pb+Pb Collisions at LHC from the ATLAS Experiment  
Adam Trzupek (INP Krakow)
- 14:50 Statistical Thermal Models in High-Energy Nuclear Physics  
Ludwik Turko (Wroclaw University)
- 15:05 Reaction Plane Dependence of Neutral Pion Production in Center-of-Mass Energy of 200 GeV Au+Au Collisions at RHIC-PHENIX  
Yoki Aramaki (University of Tokyo)
- 15:20 New Method of Modeling Dissipative Hydrodynamics  
Grzegorz Wilk (Andrzej Soltan Institute for Nuclear Studies, Warsaw)
- 15:35 Suppression of the Shear Viscosity in a "semi" Quark Gluon Plasma  
Yoshimasa Hidaka (RIKEN BNL Research Center)
- 15:50 Confinement and Turbulence  
Maciej A Nowak (Jagiellonian University, Krakow)

## **14:15-16:05 Parallel IV: Low energy QCD**

*Location: Big Blue Hall B*

**Chair: Atsushi Hosaka, Osaka University**

- 14:15 Low Energy QCD, Mesonic Sector  
Gilberto Colangelo (University of Bern)
- 14:35 QCD Tests at the NA48 Experiment at CERN  
Brigitte Bloch-Devaux (DAPNIA, Saclay)
- 14:50 Threshold Pion Production at Large Momentum Transfers  
Vladimir Braun (University of Regensburg)
- 15:05 Search for Symmetry Breaking Patterns with WASA-at-COSY  
Christian Pauly (IKP, Juelich)
- 15:20 Pionic Hydrogen  
Albert Hirtl (Stefan Meyer Institute, Vienna)
- 15:35 Low Energy Deuteron Photodisintegration  
Ron Gilman (Rutgers and Jefferson Lab)
- 15:50 The Scalars  $f_0(980)$  and  $a_0(980)$  as Hadronic Molecules  
Tanja Branz (Tuebingen University)

## 14:15-16:05 Parallel IV: Neutrino physics

*Location: Fiesta Hall*

**Chair: Carlos de los Heros**, Uppsala University

- 14:15 Planned Reactor and Beam Experiments on Neutrino Oscillations  
Maury Goodman (ANL)
- 14:35 Neutrino Oscillations with Beams and Reactors: Near and Far Future  
Luca Stanco (INFN, Padova)
- 14:50 Neutrino Mass Hierarchy Determination via Atmospheric Neutrinos with Future Detectors  
Pomita Ghoshal (TATA Institute)
- 15:05 Hadro Production Measurements for Characterizing the Neutrino Flux and the NA61/SHINE Experiment at the CERN SPS  
Alessandro Bravar (University of Geneva)
- 15:20 Exclusive Neutrino Cross Sections on Carbon Target from MiniBooNE  
Martin Tzanov (University of Colorado)
- 15:35 Coherent Pion Production in the Neutrino-Nucleus Scattering in Few-GeV Region  
Satoshi Nakamura (TRIUMF)
- 15:50 Measurements of Neutrino Charged Current Interactions at SciBooNE  
Yasuhiro Nakajima (Kyoto University)

## 14:15-16:05 Parallel IV: Standard Model, physics beyond it and search for new particles

*Location: Sea Star Hall at Dan Panorama Hotel*

**Chair: Patrick Fox**, Fermilab

- 14:15 Models of Electroweak Symmetry Breaking  
R. Sekhar Chivukula (Michigan State University)
- 14:35 Lattice Gauge Theory in Technicolor  
Benjamin Svetitsky (Tel Aviv University)
- 14:50 Searches using photons and/or jets at CDF  
David Toback (Texas A&M University)
- 15:05 Search for Supersymmetry in  $p\bar{p}$  Collisions at  $\sqrt{s}=1.96$  TeV Using the Trilepton Signature of Chargino-Neutralino Production  
Julian Glatzer (Rutgers University)
- 15:20 Direct Mediation of Metastable Supersymmetry Breaking and a Visible Hidden Sector  
Yaron Oz (Tel Aviv University)
- 15:35 Charged Higgs Searches in the Leptonic Tau Channel  
Ofer Vitells (Weizmann Institute of Science)
- 15:50 Beyond MSSM Baryogenesis  
Kfir Blum (Weizmann Institute of Science)
- 16:05-16:35 **Coffee Break**

## **16:35-18:05 Parallel V: Hadronic structure: Xi hypernuclei and Kaon nuclear interactions**

**Location:** *Coral A Hall*

**Chair:** **Jiri Mares**, NPI, Rez.

- 16:35 p-Shell Xi-Hypernuclei Predicted With Xi-N G-Matrix Interactions  
Toshio Motoba (Osaka Electro-Communication University)
- 16:50 Xi-hypernuclear Spectroscopy with SksPlus Spectrometer at J-PARC  
Tomonori Takahashi (University of Tokyo)
- 17:05 Kaonic Atoms at DAPHNE - the SIDDHARTA Experiment  
Eberhard Widmann (Stefan Meyer Institute, Vienna)
- 17:20 Kaon-Nucleus Interaction Studied through the In-Flight (K-, N) Reaction  
Tadafumi Kishimoto (RCNP, Osaka University)
- 17:35 Kaonic Helium Atoms  
Ryugo Hayano (University of Tokyo)
- 17:50 Experimental Research of Kaonic Nuclei and Kaonic Atoms at J-PARC  
Masami Iio (RIKEN)

## **16:35-18:15 Parallel V: Fundamental symmetries and conservation laws**

**Location:** *Snapir Hall at Dan Panorama Hotel*

**Chair:** **John Behr**, TRIUMF

- 16:35 Review of Absolute Measurements of the Fine Structure Constant  
Francois Nez (UMPC-ENS-CNRS, Paris)
- 16:55 Electric Dipole Moments  
Tim Chupp (University of Michigan)
- 17:15 An Improved Neutron Electric Dipole Moment Experiment  
Christian Plonka-Spehr (University of Mainz)
- 17:30 The SNS Neutron EDM Experiment  
Wolfgang Korsch (University of Kentucky)
- 17:45 Determination of nn-Scattering Length in the nd-Breakup Reaction at Neutron Energy of 40MeV  
Evgeny Konobeevski (Russian Academy of Science)
- 18:00 Variation of the Fundamental Constants: Experimental Status and Theoretical Challenges  
Douglas Shaw (University of London)

## **16:35-18:10 Parallel V: QCD in nuclei**

*Location: Big Blue Hall B*

**Chair: Ron Gilman**, Rutgers University

- 16:35 Probing Short-Range Correlations and Color Transparency in Hard Nuclear Processes  
Mark Strikman (Penn State University)
- 16:55 The Interaction of D-Mesons with Nucleons  
Johann Haidenbauer (IKP, Juelich)
- 17:10 Medium Modification of Light Vector Mesons in Nuclei  
Chaden Djalali (University of South Carolina)
- 17:25 The Momentum Dependence of Correlated pn and pp Pairs  
Lawrence Weinstein (Old Dominion University)
- 17:40 Investigation of Nucleon Pairs via High Momentum Transfer Reactions  
Shalev Gilad (MIT)
- 17:55 Charm and Hidden Charm Scalar Resonances in Nuclear Matter  
Laura Tolos (Frankfurt University)

## **16:35-18:05 Parallel V: Standard Model, physics beyond it and search for new particles**

*Location: Sea Star Hall at Dan Panorama Hotel*

**Chair: Susan Gardner**, University of Kentucky

- 16:35 Testing Lepton Universality with  $K_{l2}$  Decays in the NA62 Experiment at CERN  
Gianmaria Collazuol (INFN, Pisa)
- 16:50 Tau Decays at BaBar  
Carsten Hast (SLAC, Stanford University)
- 17:05 Search For New Physics in a Model Independent Way at D0 Experiment  
Md Naimuddin (FNAL)
- 17:20 The MEG Experiment at PSI: Status and Prospects  
Giovanni Signorelli (INFN, Pisa)
- 17:35 PEN Experiment: A Sensitive Search for Non-(V-A) Weak Processes  
Dinko Pocanic (University of Virginia)
- 17:50 Physics at the Highest Energies and Search for New Physics at HERA  
Katie Oliver (Oxford University)

## **16:35-18:10 Parallel V: Hadronic structure: light baryons and dibaryons**

**Location:** *Tarshish A Hall*

**Chair:** **Angels Ramos**, Barcelona University

- 16:35 QCD and the Nucleon  
Stanley J. Brodsky (SLAC and Stanford University)
- 16:55 Five-Quark Components in the Proton and the Lowest 1/2- Baryon Resonances  
Bingsong Zou (IHEP, Beijing)
- 17:10 Polarization Transfer from Photon to  $\Lambda^0$   
Ernest Henley (University of Washington)
- 17:25 Low Energy Baryon-Baryon Scattering from Lattice QCD  
Assumpta Parreno (University of Barcelona)
- 17:40  $K^+$  Scattering from Nuclear Targets  
Ed Hungerford (University of Houston)
- 17:55 Strangeness  $S=-2$  Baryon-Baryon Interaction in Chiral Effective Field Theory  
Johann Haidenbauer (IKP, Juelich)

## **16:35-18:15 Parallel V: Nuclear and particle astrophysics and Cosmology**

**Location:** *Tarshish B Hall*

**Chair:** **Micha Hass**, Weizmann Institute of Science

- 16:35 Beyond the Standard Model: Dark Matter in the Early Universe and Today  
Brian Fields (University of Illinois)
- 16:55 Explosive Nuclear Astrophysics with Radioactive Beams  
Philip Woods (University of Edinburgh)
- 17:15 First Access to Beta Decay Half-lives Approaching the r-process Path Near  $N=126$   
Teresa Kurtukian-Nieto (CEN Bordeaux- Gradignan)
- 17:30 Neutrino Interaction with Light Nuclei in Core-Collapse Supernova  
Nir Barnea (Hebrew University of Jerusalem)
- 17:45 LiLiT – a Liquid Lithium Target as an Intense Neutron Source for Nuclear Astrophysics at the Soreq Applied Research Accelerator Facility  
Gitai Feinberg (Soreq Nuclear Research Center)
- 18:00 The Dynamics of a Quantum Wave Packet of a Neutron Bouncing under the Influence of Gravity  
Hartmut Abele (TU Munich and University of Heidelberg)

## **16:35-18:05 Parallel V: QCD: miscellaneous and spin**

*Location: Fiesta Hall*

**Chair: Barry Berman**, George Washington University

- 16:35 Studies of Spin-Orbit Correlations  
Harut Avakian (Jefferson Lab)
- 16:50 Drell-Yan Measurements of Light Antiquarks in the Nucleon and in Nuclei  
Edward Kinney (University of Colorado)
- 17:05 Precision Measurement of  $\pi^0$  Electro-Production at Low  $Q^2$   
Bryan Moffit (MIT)
- 17:20 Asymmetry Measurements in the Elastic Pion-Proton Scattering in the Resonance Energy Range  
Dmitry Svirida (ITEP, Moscow)
- 17:35 The Coherent Evidence for Nucleon-Antinucleon Quasi-bound States  
Slawomir Wycech (Institute for Nuclear Studies, Warsaw)
- 17:50 Two-Boson-Exchange Corrections to the Parity-Violating Elastic Electron-Proton Scattering  
Shin Nan Yang (National Taiwan University)

## **16:35-18:10 Parallel V: Hot and dense matter**

*Location: Big Blue Hall A*

**Chair: Hans-Ake Gustafsson**, Lund and CERN

- 16:35 Charmonia Production in Heavy Ion Collisions, from SPS to LHC  
Frédéric Fleuret (Ecole Polytechnique and CNRS/IN2P3)
- 16:55 Recent Results from the NA49 Experiment  
Christoph Blume (University of Frankfurt)
- 17:10 Cold Nuclear Matter Effects on Quarkonium Production from the SPS to the LHC  
Ramona Vogt (LLNL and UC Davis)
- 17:25 Study of Interaction of Heavy Quarks with Nuclear Matter in Cu+Cu at  $\sqrt{s_{NN}} = 200$  GeV  
Miroslav Krus (Czech Technical University, Prague)
- 17:40 PHENIX Results on Heavy Flavor Production in p+p and Heavy Ions collisions at RHIC  
Hugo Pereira Da Costa (CEA, Saclay)
- 17:55 Hadronic Decays of Light Mesons Measured by the PHENIX Experiment at RHIC  
Victor Ryabov (PNPI, St. Petersburg)

## **16:35-18:10 Parallel V: Future facilities and detectors**

*Location: Coral B Hall*

**Chair: Axel Drees**, Stony Brook University

- 16:35 Science@FAIR  
Horst Stoecker (GSI)
  
- 17:00 Nuclotron-based Ion Collider Facility (NICA) at JINR: New Prospect for Heavy Ion Collisions and Spin Physics  
Alexei Sissakian (JINR, Dubna)
  
- 17:25 The SPES Project at LNL: A Revised Design for an ISOL Facility for Nuclear Physics  
Fabiana Gramegna (INFN, Legnaro)
  
- 17:40 Electron-LINAC-Based Radiation Facilities of the Turkish Accelerator Center (TAC)  
Iskender Akkurt (Suleyman Demirel University, Isparta)
  
- 17:55 Future Experiments at Dafne, the Frascati Phi Factory  
Vincenzo Patera (University of Rome)

## **18:45-22:30 Conference Banquet**

## **Friday 14 November 2008**

### **09:00-10:30 Plenary 5-A**

*Location: Big Blue Hall*

**Chair: Ernest Henley**, University of Washington

- 09:00 Young Scientist Awards
- 09:20 Nuclei and Chiral Dynamics  
Achim Schwenk (TRIUMF)
- 10:00 Diffractive Physics - Low-x Physics  
Allen Caldwell (MPI Munich)

10:30-11:00

**Coffee break**

### **11:00-12:40 Plenary 5-B**

*Location: Big Blue Hall*

**Chair: Igal Talmi**, Weizmann institute of Science

- 11:00 J-PARC Program Overview  
Shoji Nagamiya (J-PARC)
- 11:30 LHC Program Overview  
Rolf Heuer (DESY and CERN)
- 12:00 Closing Lecture  
John Ellis (CERN)

12:40-14:00

**Lunch / Adjourn**