The Abdus Salam International Centre for Theoretical Physics

Fourth International Conference on Perspectives in Hadronic Physics

Organizer(s): S. Boffi, C. Ciofi degli Atti, M. Giannini
Trieste - Italy, 12 - 16 May 2003

Venue: Main Building Main Lecture Hall

Final programme

Monday, 12 May 2003 (Room:Main Building Main Lecture Hall)
Chairperson: Xiangdong JI / B. Schoch

12 May 2003

08:30 - 09:20	(Room: Main Building, Lobby) **Registration (entrance level, outside Main Lecture Hall)**
09:20 - 10:00	**J. Stachel** / *Heidelberg* **Quark-gluon plasma: facts and facets**
10:00 - 10:40	**D. Treleani** / *Trieste* **Multiple production of heavy quarks in pp and in pA interactions at very high energies**
10:40 - 11:10	--- Coffee break ---
11:10 - 11:50	**T. Ullrich** / *BNL* **Survey of experimental results from RHIC**
11:50 - 12:30	**E. Vercellin** / *Torino* **ALICE**
12:30 - 14:30	--- Lunch break ---
14:30 - 15:10	**G. Bali** / *Glasgow* **Lattice gauge calculations of hadron properties**

15:10 - 15:50	**A. Thomas** / *Adelaide* **Lattice QCD: How non-perturbative quarks and gluons make hadrons**
15:50 - 16:30	**Ch. Pauli** / *Heidelberg* **On the renormalization of an effective light-cone Hamiltonian and the physical meson spectrum**
16:30 - 17:00	--- Coffee break ---
17:00 - 17:40	**T. Nakano** / *Osaka* **Spring-8**
17:40 - 18:00	**H. Gutbrod** / *GSI* **GSI**
18:00 - 19:30	(Room: Main Building Terrace) --- Get-together Drink ---

Tuesday, 13 May 2003 (Room:Main Building Main Lecture Hall)
Chairperson: W. Goeckle / P. Braun-Munzinger / B.Z. Kopeliovich

13 May 2003

09:00 - 09:40	**M.B. Johnson** / *LANL* **Propagation of fast partons in nuclear medium**
09:40 - 10:20	**B. Kopeliovich** / *Heidelberg* **Pion quenching in cold and hot media**
10:20 - 10:50	--- Coffee break ---
10:50 - 11:30	**M. Leitch** / *Los Alamos* **J/Psi and heavy-quark production in E866 at FNAL and PHENIX at RHIC**
11:30 - 11:50	**C. Ciofi degli Atti** / *Perugia* **FSI in semi-inclusive DIS**
11:50 - 12:10	**A. Polleri** / *Munich* **Kinetic description of charmonium production in high-energy nuclear collisions**
12:10 - 12:30	**H. Gutbrod** / *GSI* **p-Bar A scattering and charm production**
12:30 - 14:30	--- Lunch ---
14:30 - 15:10	**X. Ji** / *Maryland* **Viewing the proton through "color" filters**
15:10 - 15:50	**M. Vanderhaeghen** / *Mainz* **Deeply virtual Compton scattering and meson production**
15:50 - 16:30	**K. de Jager** / *Jlab* **Recent results from Jlab on nucleon response functions**
16:30 - 17:00	--- Coffee break ---

17:00 - 17:40 **J.-M. Laget** / *Saclay*
Overview of hard scattering processes at Jlab

17:40 - 18:20 **K. Rith** / *Erlangen*
Selected recent results from HERMES

18:20 - 18:40 **G. Lykasov** / *Dubna*
Hadron multiplicity in semi-inclusive lepton-nucleon and lepton-nucleus scattering

Wednesday, 14 May 2003 (Room:Main Building Main Lecture Hall)
Chairperson: M.A. Braun / R. Schiavilla / J.M. Laget / F. D. Pa

14 May 2003

09:00 - 09:40 **I. Zahed** / *Stony Brook*
Semiclassical interpretation of high energy collisions off hadrons and nulcear matter

09:40 - 10:00 **D. Dutta** / *TUNL*
Nuclear transparency measurements at Jlab and the search for colour transparency

10:00 - 10:20 **C. Guaraldo** / *Frascati*
First results on kaonic hydrogen from DEAR at DAFNE

10:20 - 10:50 --- Coffee break ---

10:50 - 11:30 **M. Baldo** / *Catania*
Neutron stars

11:30 - 11:50 **A. Drago** / *Ferrara*
Gamma ray bursts from delayed collapse of neutron stars to quark matter stars

11:50 - 12:10 **O. Lynnik** / *Giessen*
Ground state correlations in deep inelastic scattering and Drell-Yan process

12:10 - 12:30 **M. Rosina** / *Ljubljana*
Double-heavy baryons and dimesons

12:30 - 14:30 --- Lunch ---

14:30 - 15:10 **R. Schiavilla** / *Jlab*
Nuclear forces and nuclear systems

15:10 - 15:50 **M.A. Braun** / *St. Petersburg*
FSI and finite formation time in A(e,e')X and A(e,e'p)B processes

15:50 - 16:20 --- Coffee break ---

16:20 - 16:40 **B. Reitz** / *Jlab)*
The 4He(e,e'p)3H at Jlab

16:40 - 17:00 **D. Higinbotham** / *Jlab*
The 3He(e,e'p)X at Jlab

17:00 - 17:20 **L. Weinstein** / *Old Dominion*
NN Correlations measured in 3He(e,e'pp)n at Jlab

17:20 - 17:40 **G. Batigne** / *Grenoble*
First results of the G0 commissioning Run

Thursday, 15 May 2003 (Room:Main Building Main Lecture Hall)
Chairperson: W. Plessas / F. Iachello / M. Ripani / W.-D. Nowak

15 May 2003

09:00 - 09:40 **S. Scherer** / *Mainz*
Structure of hadrons in relativistic chiral perturbation theory

09:40 - 10:20 **F. Iachello** / *Yale*
Structure of the nucleon from electromagnetic form factors

10:20 - 10:50 --- Coffee break ---

10:50 - 11:10 **E. Santopinto** / *Genova*
Electromagnetic form factors and Hypercentral Quark Model

11:10 - 11:30 **W. Plessas** / *Graz*
Quark model description of light and strange baryons

11:30 - 11:50 **G. Salme'** / *Roma2*
Transverse asymmetry of 3He and the neutron magnetic form factor

11:50 - 12:10 **B. Silvestre-Brac** / *Grenoble*
Electromagnetic splittings in mesons and baryons

12:10 - 12:30 **A. Valcarce** / *Salamanca*
A quark model study of the p(d,d') reaction an the sigmaNN*(1440) coupling constant

12:30 - 14:30 --- Lunch ---

14:30 - 14:50 **U. Mueller** / *Mainz*
MAMI

14:50 - 15:10 **B. Schoch** / *Bonn*
Meson production and experimental studies of the excitation spectrum of the nucleon

15:10 - 15:30 **L. Tiator** / *Mainz*
Electroproduction of nucleon resonances

15:30 - 15:50 **A. Sarty** / *Saint Mary's*
Recoil-polarization measurements for neutral pion electroproduction near the Delta resonance

15:50 - 16:10 **S. Dytman** / *Pittsburgh*
Critical evaluation of N* states in light of recent data

16:10 - 16:30 **M. Manley** / *Kent*
Introduction to BRAG: The baryon resonance analysis group

16:30 - 17:00 --- Coffee break ---

17:00 - 17:20 **M. Ripani** / *Genova*
Resonance search in two pion electroproduction at Jefferson Lab.

17:20 - 17:40 **M. Gorchtein** / *Genova*
Generalized nucleon sum rules within a constituent quark model

17:40 - 18:00 **N. D'Hose** / *Saclay*
Possible measurements of GPD's at CERN

Friday, 16 May 2003 (Room:Main Building Main Lecture Hall)
Chairperson: T. Nakano / K. Rith

16 May 2003

09:00 - 09:20 **W.-D. Nowak** / *DESY*
HERMES-II

09:20 - 09:40 **K. de Jager** / *Jlab*
The Jlab 12 GeV upgrade and beyond

09:40 - 10:00 **K. de Jager** / *Jlab*
Future developments on high-energy photon polarimeter in Jlab

10:00 - 10:20 **R. Beck** / *Mainz*
MAMI-C

10:20 - 10:40 **J. Hasell** / *MIT*
Status of the BLAST experiment

10:40 - 11:10 --- Coffee break ---

11:10 - 11:30 **A. Deshpande** / *Brookhaven*
Future of e-N facilties in USA

11:30 - 11:50 **A. Bressan** / *Trieste*
Status of the COMPASS experiment

11:50 - 12:10 **S. Strauch** / *GWU*
Medium modification of the proton form factor

12:10 - 12:30 **C. Guaraldo** / *Frascati*
The HadronPhysics I3

12:30 - 12:45 **Closing Remarks**