

Final Programme EINN2001

Tuesday 2 October

Late afternoon / early evening	Registration at the hotel reception and ESF desk
19.30	Supper
21.00	Get-together-drinks

Wednesday 3 October

Session Ia: GENERAL INTRODUCTION

Chair: Jean-Marc Laget (IN2P3, Saclay, F)

08.30	Klaus Rith (U. Tuebingen, D) <i>Conference Opening</i>
08:40	Paul Hoyer (U. Helsinki, FI) <i>Probing QCD with Electromagnetic Probes</i>
09:10	Discussion
09:20	John Negele (MIT, Cambridge, USA) <i>Workshop Summary</i>
9:50	Discussion
10.00	Coffee break

Session Ib: GENERAL INTRODUCTION

Chair: Anatoliy Radyushkin (JLab, Newport News, USA)

10:25	Michel Guidal (IN2P3, Orsay, F) Marc Vanderhaeghen (U. Mainz, Mainz,D) <i>Workshop Summary</i>
11:05	Discussion
11:15	Delia Hasch (INFN Frascati, I) <i>Exclusive Pion Production at HERMES</i>
11:35	Discussion
11:40	Nikolay Kivel (U. Mainz, Mainz, D) <i>Hard electroproduction of mesons</i>
12:00	Discussion

- 12:05 **Stephanie Jaminion** (U. Blaise-Pascal, Clermont-Ferrand, F)
Virtual Compton Scattering at JLab
- 12:25 Discussion
- 12:30 **M.V. Polyakov** (Ruhr U., Bochum, D)
New soft Pion Theorem for hard processes
- 12:50 Discussion
- 13:00 **Lunch**

**Session II:
NUCLEON STRUCTURE**

Chair: Klaus Goëke (D))

- 16.30 Coffee
- 17:00 **Frank Maas** (U. Mainz, Mainz, D)
Electroweak Form Factors
- 17:30 Discussion
- 17:40 **Bertrand Desplanques** (LPSC, Grenoble, F)
Point-form calculations of form factors for a two-body system composed of scalar particles
- 18:00 Discussion
- 18:05 **V.M. Braun** (U. Regensburg, Regensburg, D)
Hadron Wave functions in QCD
- 18:40 Discussion
- 18:45 **R.F. Wagenbrunn** (Graz U., Graz, O)
Covariant electroweak nucleon form factors in a chiral constituent quark model
- 19:05 Discussion
- 19:10 **Francesco Sannino** (NORDITA, Copenhagen, DE)
- 19:30 Discussion
- 20.30 **Dinner**

Thursday 4 October

**Session IIIa:
ELECTROMAGNETIC EXCITATION OF THE NUCLEON**

Chair: Enzo de Sanctis (INFN, Roma, I)

- 08:30 **Costas Papanicolas** (IASA, U. Athens, Athens, GR)
Quadrupole excitation of the $\Delta^+(1232)$
- 09:00 Discussion
- 09:10 **Stefano Fantoni** (SISSA, Trieste, I)
Verification of quark-hadron duality in spin structure functions

9:30 Discussion
9:35 **V. Credé** (Bonn. U, Bonn, D)
The Crystal Barrel experiment at ELSA
9:55 Discussion
10.00 Coffee break

Session IIIb:

Chair: Rainer Schumacher (U. Carnegie-Mellon, Pittsburg, USA)

10:25 **Marco Ripani** (INFN, Frascati, I)
Search for missing resonances
11:00 Discussion
11:05 **Belitzky** ()
11:25 Discussion
11:30 **POSTER SESSION**
13.00 Lunch
14.00 Half-day excursion
20.30 **Conference Dinner**

Friday 5 October

Session IVa: SPIN STRUCTURE

Chair: Richard Milner (MIT, Cambridge, US)

08:30 **Naomi Makins** (U. Illinois, Urbana-Champaign, USA)
Polarized parton distributions
09:05 Discussion
09.10 **Paul Rakow** (U. Regensburg, Regensburg, D)
Hardon spin structure on the lattice
9:45 Discussion

- 9:50 Coffee break
- Chair: S. Boffi** (U. Pavia, Pavia, I)
- 10:15 **Daniel de Florian** (U. Zuerich, Zuerich, CH)
Physics of polarized pp collisions
- Discussion
- 10:50 **Volker Burkert** (JLab, Newport News, USA)
- 10:55 *Spin response of the nucleon in the resonance region*
- Discussion
- 11:30 **Klaus Helbing** (U. Erlangen, Erlangen, D)
- 11:35 *Experimental verification of the GDH Sum Rule at ELSA and MAMI*
- Discussion
- 11:55 **Thomas Hemmert** (TU, Muenchen, DU. Bonn, Bonn, D)
- 12:00 *Low-energy spin structure of the nucleon from the viewpoint of Chiral Effective Field Theories*
- Discussion
- 12:20 **M. Lang** (U. Bonn, Bobb, D)
- 12:25 *Helicity-dependent double-pion photoproduction on the proton at MAMI*
- Discussion
- 12:45 **Lunch**

**Session V:
MESON PRODUCTION**

Chair: Robert Van de Vijver (U. Ghent, Ghent, B)

- 17:00 **Mac Mestayer** (JLab, Newport News, US)
Photo- and electroproduction of strangeness
- 17:35 Discussion
- 17:40 **Dirk Ryckbosch** (U. Ghent, Ghent, B)
Vector meson production at high momentum transfer
- 18:15 Discussion
- 18:20 **Ekaterini Tzamariudaki** (McGill U., Montreal, CA)
Recent highlights on heavy flavour physics at HERA
- 18:55 Discussion
- 19:00 Coffee break
- 19:20 **V. Mokeev** (Moscow State U., Moscow, RU)
Studies of high-lying baryon states in phenomenological analysis of charged double-pion production
- 20:30 **Banquet**

Saturday 6 October

**Session VIa:
THE NUCLEON AS A LABORATORY**

Chair: Noquera (GR, IASA, GR)

- 08:30 **Valeria Muccifora** (INFN, Frascati, I)
Hadron formation in deep-inelastic scattering from nuclear targets
- 09.05 Discussion
- 09.10 **Ulrich Mosel** (Justus Liebig U, Giessen, D)
In-medium properties of hadrons
- 9:45 Discussion
- 9:50 Coffee break

**Session VIb:
THE NUCLEON AS A LABORATORY**

Chair: Costas Papanicolas (IASA, U. Athens, Athens,GR)

- 10:15 **Yuri Dokshitzer** (PNPI, Gatchina, RU)
Electromagnetic probes and the interface between perturbative and non-perturbative QCD phenomena
- 10:50 Discussion
- 10:55 **Eric Voutier** (U. Grenoble, Grenoble, F)
High-momenta study of the ^3He nucleus
- 11:15 Discussion
- 11:20 **Robert Lolos** (U. Regina, Regina, C)
Helicity signatures in subthreshold ρ^0 production
- 11:40 Discussion
- 11:45 **Thomas Schaefer** (North Carolina State U, Raleigh, USA)
- 12:05 Discussion
- 12:10 **M.V. Dyug** (BINP, Novosibirsk, Russia)
Measurement of the tensor-analyzing powers for quasi-elastic electron scattering for polarized deuterium at the electron storage ring VEPP-3
- 12:30 Discussion
- 13.00 Lunch

**Session VII:
PERSPECTIVES**

Chair: Stanley Kowalki (MIT, Cambridge, USA)

- 16.30 Coffee break

- 17:00 **Dietrich von Harrach** (U. Mainz, Mainz, D)
The case for the next generation of electron-nucleus facilities
- 17.40 Discussion
- 17.45 **Eugene Chudakov** (JLab, Newport News, USA)
Advanced detectors for high-luminosity experiments
- 18:25 Discussion
- 18:30 Panel Discussion
- 19:30 Awards for posters, etc.
- 20.30 **Dinner**

Sunday 7 October

- 08.00 Breakfast and departure