Strong QCD from Hadron Structure Experiments

November 6 (Wednesday)

Convener Prof. R.W. Gothe

9.00-9.15 am Welcome from Jefferson Laboratory
Speaker: R.D. McKeown, Deputy Director for Science

9.15-9.55 am Exploring Strong QCD in the JLab Experiments of the 12 GeV era
Speaker: V.D. Burkert, JLab

9.55-10.35 am New Horizons for Strong QCD Theory in the 12 GeV era at JLab
Speaker: J. Qiu, JLab

10.35-10.50 am Coffee break

Convener Dr. V.D. Burkert

10.50-11.30 am Paving the way to Understand Nuclear Structure from Strong QCD
Speaker: J.P. Draayer, JSA

11.30 am-12.00 pm Relating TMD Phenomenology to QCD
Speaker: M. Radici, INFN of Pavia

12.00-12.30 pm Nucleon Femtography in the 12 GeV era
Speaker: L. Elouadrhiri, JLab

12.30-2.00 pm Lunch

Convener Dr. D.S. Carman

2-00-2.40 pm Nucleon Resonance Electrocouplings as a Window into Strong QCD

Speaker: R. W. Gothe, University of South Carolina

2.40-3.20 pm Strong QCD from the Resonance Electrocouplings Within Continuum QCD Approaches

Speaker: J. Segovia, University Pablo de Olavide

3.20-3.40 pm Coffee break

Convener Dr. M. Battaglieri

3.40–4.10 pm Amplitude Analyses of Meson Photo-/Electroproduction Data with Electromagnetic Probes in JPAC: Achievements and Outlook

Speaker: A. Szczepaniak, JLab/Indiana University

4.10-4.40 pm Bridging the Gap Between Space-like and Time-like EM Transition Form Factors

Speaker: P. Cole, Lamar University

4.40-5.10 pm Mapping the Energy-Momentum Tensor: From Nucleons to Stars

Speaker: S. Liuti, University of Virginia

5.10-5.40 pm Hadron Spectrum and the Electromagnetic Elastic/Transition Form Factors from Quark Models.

Speaker: Hyun-Chul Kim, Inha University

November 7 (Thursday)

Convener Prof. J. Qiu

9.00-9.40 am Relating Experimental Studies of Hadron Structure to Strong QCD Within the Unified Continuum QCD Framework

Speaker: C.D. Roberts, Nanjing University

9.40-10.20 am Ground and Excited Nucleon Structure in 3D

Speaker: M. Vanderhaeghen, Mainz University

10.20-10.40 am Coffee break

Convener Dr. H. Avakian

10.40-11.20 am Studying QCD with the Electron-Ion Collider

Speaker: R.G. Milner, MIT

11.20-11.50 am Advances and Challenges in the Experimental Studies of Nucleon Transversity

Speaker: H. Gao, Duke University

11.50 am -12.20 pm Transversity GPDs

Speaker: A. Kim, University of Connecticut

12.20-12.50 pm Parton Distributions in Meson and Baryons from Lattice QCD

Speaker: H.W-Lin, Michigan State University

12.50-2.30 pm Lunch

Convener Prof. J.P. Draayer

2.30-6.00 pm Special session honoring the outstanding scientific achievements and the inspiring leadership of Dr. V.D. Burkert

2.30-3.00 pm V.D. Burkert Contributions to the Physics Program and the Experimental Equipment of CLAS

Speaker: Dr. B.A. Mecking (retired)

3.00-3.30 pm Physics of Excited Nucleon States

Speaker: Prof. K. Joo, UCONN

3.30-4.00 pm Coffee break

4.00-4.30 pm Meeting the Challenge of the Data on Nucleon Structure
Speaker: Distinguished University Prof. Xiangdong Ji, UMD

4.30-5.00 pm Towards a Finer Understanding of the Nucleon
Speaker: Prof. K. Griffioen, W&M

6.30 pm Workshop Dinner

Dinner Speaker: Prof. S.J. Brodsky, ``From the QCD Lagrangian to Hadron Structure and Hadron Interactions: a 50-year Experience"

November 8 (Friday)

Convener Dr. E. Christy

9.00-9.30 am Novel Concepts for the Evaluation of Parton Distributions from QCD
Speaker: A. Radyushkin, JLab/Old Dominion University

9.30-10.00 am J/psi Production Near Threshold: from Heavy Pentaquarks to Hadron Mass Generation
Speaker: Z.-E. Meziani, Argonne National Laboratory

10.00-10.30 am Parton Distributions from the Global Analyses of Experiments with Electromagnetic Probes
Speaker: C. Andres, JLab

10.30-10.50 am Coffee break

Convener Dr. A. Deur

10.50-11.20 am The 1D Meson and Ground Baryon Structure from JLab Experiments
Speaker: T. Horn, Catholic University

11.20-11.50 am Resonant Contributions into Inclusive Electron Scattering from the Data on $\gamma_v pN^*$ Electrocouplings
Speaker: A.N. Hiller Blin, Mainz University

11.50-12.20 am Search for Exotic Hadrons in the 12 GeV era at JLab
Speaker: C. Meyer, Carnegie Mellon University

12.20-2.00 pm Lunch

Convener Prof. K. Joo

2.00-2.30 pm Update on DVCS Studies
Speaker: M. Defurne, IRFU, CEA

2.30-3.00 pm Results from Hall A DVCS Experiments
Speaker: Meriem Ben Ali, Normandie Caen University

3.00-3.30 pm GPD Modeling with Continuum QCD
Speaker: J. Rodriguez-Quintero, Huelva University

3.30-3.50 pm Coffee break

Convener Prof. A. Deshpande

3.50-4.20 pm Spin Structure from Short to Large Distances
Speaker: S. Kuhn, Old Dominion University

4.20-4.50 pm The Modeling of Baryon and Meson DAs, and their Relevance for DVMP
Speaker: C. Mezrag, CEA-Saclay, IRFU-DPhN

Moderator Dr. V.I. Mokeev

5.00-7.00 pm Round table on the planning of synergistic efforts between experimentalists, phenomenologists, and theorists on the exploration of the ground and excited hadron spectrum/structure from the data of the 12 GeV era to gain insight into strong QCD, to understand the properties of atomic nuclei from strong QCD, and to map out novel directions with the US EIC

Panelists: V.D. Burkert, A. Deshpande, S. Kuhn, D.G. Richards, M. Vanderhaegnen

November 9 (Saturday)

Convener Prof. M. Doering

9.00-9.30 am Completing the Nucleon Resonance Spectrum
Speaker: A. Thiel, Bonn University

9.30-10.00 am Photoproduction Reactions and Non-Strange Baryon Spectroscopy
Speaker: E. Pasyuk, JLab

10.00-10.30 am Omega Photoproduction and Nucleon Resonances
Speaker: Y. Oh, KNU

10.30-10.50 am Coffee break

Convener Dr. D.G. Richards

10.50-11.20 am Advances in the Coupled Channel Approaches for N* Parameter Extraction

Speaker: M. Doering, George Washington University

11.20-11.50 am Ab initio QCD Descriptions of the Hadron Spectrum and Elastic/Transition Electromagnetic Form Factors

Speaker: R. Briceno, Old Dominion University

11.50-12.20 pm Longitudinal Nucleon Structure from Hall A Experiments

Speaker: J. Gomez, JLab

12.20-13.00 pm Summary and Outlook

Speaker: C.D. Roberts, Nanjing University (Theory), V.I. Mokeev, JLab (Experiment)