

Argonne National Laboratory, Lemont, Illinois, USA. June 17-20, 2024

June 17, 2024 (Monday) – Proton Mass and Gravitational Form Factors

Building 402, Lower Gallery Room E0100

09:00 - 09:20	Welcome Zein-Eddine Meziani, Argonne National Laboratory
09:20 - 09:50	Mass Decomposition and Gravitational Form Factors: Overview Xiangdong Ji, University of Maryland
09:50 – 10:20	Gravitational Form Factors in Holographic QCD Ismail Zahed, Stonybrook University
10:20 - 10:40	Coffee Break
10:40 – 11:10	J/ψ-007 Muon Decay Channel Sylvester Joosten, Argonne National Laboratory
11:10 – 11:40	Gravitational Form Factors of the Proton from Lattice QCD Daniel Hackett, Fermilab
11:40 – 13:30	Discussion and Working Lunch
13:30 – 14:00	Trace Anomaly and the Cbar Gravitational Form Factors Yoshitaka Hatta, Brookhaven National Laboratory
14:00 – 14:30	Light Cone Formalism Adam Freese, Jefferson Lab
14:30 – 15:00	Pion and Kaon Gluon Distributions through Charmonium Production Data Jen-Chieh Peng, University of Illinois, Urbana-Champaign
15:00 - 15:30	Coffee Break
15:30 – 16:00	Extraction of the Cross-section of the Photoproduction of J/ψ Near-threshold with the CLAS12 Experiment Pierre Chatagnon, Jefferson Lab
16:00 – 16:30	Charmonium Near-threshold Production with GlueX Lubomir Pentchev, Jefferson Lab
16:30 – 17:00	Discussion



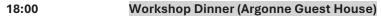


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June 18, 2024 (Tuesday) – Transverse Momentum Distributions

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09:00 - 09:10	Welcome Kawtar Hafidi, Argonne National Laboratory
09:10 – 09:40	TMDs and the MAPTMD24 Global Fit Marco Radici, INFN - Sezione di Pavia
09:40 – 10:10	Tensor TMDs Jiwan Poudel, Jefferson Lab
10:10 – 10:30	Coffee Break
10:30 – 11:00	TMD Lattice QCD Yong Zhao, Argonne National Laboratory
11:00 – 11:30	Inclusive Hadron Production and Relation to TMDs Jianwei Qiu, Jefferson Lab
11:30 – 13:30	Discussion and Working Lunch
13:30 – 14:00	TMD: from CLAS12 to EIC Anselm Vossen, Duke University
14:00 – 14:30	SIDIS Program @ Hall C Ed Kinney, University of Colorado Boulder
14:30 – 15:00	TMD Program at COMPASS Riccardo Longo, University of Illinois, Urbana-Champaign
15:00 – 15:30	Coffee Break
15:30 – 16:00	TMDs at Twist 3 Leonard Gamberg, Penn State University Berks
16:00 – 16:30	Global Analysis of TSSAs: Transversity, Nucleon Tensor Charges, and SoLID Daniel Pitonyak, Lebanon Valley College
16:30 – 17:00	Discussion







Opportunities for



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June 19, 2024 (Wednesday) – Parity Violating Processes

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09:00 - 09:30	TMD Program with SoLID
	Zhiwen Zhao, Duke University
09:30 – 10:00	Combined Study of QED and QCD for Lepton-Hadron Scattering including DIS, SIDIS, and Parity Violating Processes Jia-Yue Zhang, Jefferson lab
10:00 – 10:30	Coffee Break
10:30 – 11:00	Precision Low-energy PV Physics Overview Sonny Mantry, University of North Georgia
11:00 – 11:30	Strong PV in the Nucleon Matteo Cerutti, Jefferson Lab / Hampton University
12:00 – 13:30	Discussion and Working Lunch
13:30 - 14:00	Global SMEFT Analysis including Low-energy and LHC Data Francis John Petriello, Northwestern University
14:00 – 14:30	PDF Uncertainties Paul Reimer, Argonne National Laboratory
14:30 – 15:00	Uncertainties in Determining PDF at Large x Matteo Cerutti, Jefferson Lab / Hampton University
15:00 - 15:30	Coffee Break
15:30 – 16:00	Impact of SoLID on EIC: Heavy Quark at Large x Ciprian Gal, Jefferson Lab
16:00 – 16:30	Impact of PVDIS with 22 GeV Electrons at JLab on the Nucleon Strangeness Richard Whitehill, Old Dominion University
16:30 – 17:00	Discussion







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June 20, 2024 (Thursday) – Future Opportunities with SoLID

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- 09:00 09:30 JLab 20+ GeV Energy Upgrade Cynthia Kappel, Jefferson Lab
- 09:30 10:00 JLab Positron Beam Upgrade Eric Voutier, IJCLab Orsay
- 10:00 10:30 Coffee Break
- 10:30 11:00Future Experiments of J/ψ Production on Nuclear Targets with SoLID
Sangbaek Lee, Argonne National Laboratory
- **11:00 11:30GPD Measurements with SoLID**Marie Boer, Virginia Tech.
- **11:30 12:00The Strange Mechanical Structure of the Proton**
Henry Klest, Argonne National Laboratory
- 12:00 14:00 Discussion and Working Lunch



