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Pre-conference Program

Sunday, October 29

(Athenaeum Ballroom)			
Time	Speaker	Title	Format
9:00-10:00	Jan Bernauer	Form Factors	Pedagogical Talk (50+10)
10:00-11:00	Eliezer Piasetzky	Nuclear Matter at Short Range	Pedagogical Talk (50+10)
11:00-11:30	Coffee Break		
11:30-12:30	T. William Donnelly	Neutrino-Nucleus Interactions	Pedagogical Talk (50+10)
12:30-14:30	Lunch & Break		
14:30-14:50	Ievgen Lavrukhin	MUSE: Two Photon Exchange in Elastic $e\pm p$ and $\mu\pm p$ Scattering	Research Talk (15+5)
14:50-15:10	Ethan Cline	Current Status of MUSE	Research Talk (15+5)
15:10-15:30	Afroditi Papadopoulou	Electrons for Neutrinos	Research Talk (15+5)
15:30-15:50	Bishoy Dongwi	The TREK/E36 experiment at J-PARC	Research Talk (15+5)
15:50-16:30	Axel Schmidt	A kick to our presentation skills	
16:30-17:00	Coffee Break		
17:00-18:30	Finding your optimal PostDoc position	Finding a great PostDoc	
19:30	Pre-conference Dinner		

Additional Presentations

QED corrections to the Bethe-Heitler process in the $\gamma p \rightarrow \ell^+ \Gamma p$ reaction	Matthias Heller
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Monday, October 30

(Athenaeum Ballroom)			
Time	Speaker	Title	Format
9:00-10:00	Justin Stevens	Experimental Hadron Spectroscopy	Pedagogical Talk (50+10)
10:00-11:00	Michael Peardon	Spectroscopy from Lattice QCD	Pedagogical Talk (50+10)
11:00-11:30	Coffee Break		
11:30-12:30	Mauro Anselmino	The Structure and Spin of the Proton	Pedagogical Talk (50+10)
12:30-14:30	Lunch & Break		
14:30-15:00	Rebecca Russell	Finding a career outside of physics	Skype Q&A
15:00-16:30	Morning Speakers, Ralf Ent (JLAB)	Academic Careers	Panel Discussion
16:30-17:00	Coffee Break		
17:00-17:20	Natalie Walford	Polarization Observables in Kaon Photoproduction Using a Polarized Frozen Spin Target in CLAS	Research Talk (15+5)
17:20-17:40	Stephen Kay	Photoproduction of the $d^*(2380)$ Dibaryon	Research Talk (15+5)
17:40-18:00	Nicolas Pierre	Monte Carlo Event Generation with Radiative QED processes in Deep-Inelastic Scattering	Research Talk (15+5)
18:00-18:20	Gregoris Spanouides	Quasi Parton Distribution Functions: Renormalization in Dimensional Regularization	Research Talk (15+5)
18:20-18:30	Discussion and Wrap-Up		
18:30-20:00	Welcome Reception (Amorosa Terrace)		

Additional Presentations

Neutron Scalar Polarizabilities Background Simulations for Experimental Extraction via Compton Scattering	Maeve Wentland
Tracking Studies Using GenFit for the MUon Scattering Experiment	Sara Ripley

Main Conference Program

Tuesday, October 31

Opening Session (Athenaeum Ballroom)			
Session chair: Richard G. Milner			
09:00-09:10	Welcome		
09:10-09:50	Experimental Perspectives on Electromagnetic Nuclear Physics	Rolf Ent	40'
09:50-10:30	Theoretical Perspectives on Electromagnetic Nuclear Physics	Andreas Schäfer	40'
10:30-11:00	Coffee Break		
Elastic Form Factors (Athenaeum Ballroom)			
Session chair: Thomas W. Donnelly			
11:00-11:30	Theoretical Perspective on Contributions Beyond Single-Photon Exchange in Elastic Lepton-Nucleon Scattering	Peter Blunden	30'
11:30-12:00	Experimental Perspective on Contributions Beyond Single-Photon Exchange in Elastic Lepton-Nucleon Scattering	Douglas Hasell	30'
12:00-12:30	Recent Precision Determinations of the Radii of the Proton and Light Nuclei Using Atomic Physics Techniques	Julian Krauth	30'
12:30-14:30	Lunch & Break		
14:30-16:30	Parallel Workshops		
16:30-17:00	Coffee Break		
17:00-18:30	Parallel Workshops		
18:30-20:30	Poster Session with Wine & Cheese (Asteras Restaurant)		

Wednesday, November 01

The Origin of the Proton Spin (Athenaeum Ballroom)			
Session chair: Rolf Ent			
09:00-09:30	The Study of the Origin of Proton Spin at RHIC	Salvatore Fazio	30'
09:30-10:00	The Study of the Origin of Proton Spin at COMPASS	Fabienne Kunne	30'
10:00-10:30	New Measurements of the Weak Charge of the Proton	David Armstrong	30'
10:30-11:00	Coffee Break		
Session chair: Susan Gardner			
11:00-11:30	Quark Distributions from Lattice QCD	Fernanda Steffens	30'
11:30-12:00	Probing the Origin of Proton Spin using the Polarized Drell-Yan Process	Paul Reimer	30'
12:00-12:30	Overview of recent results from HAL QCD	Sinya Aoki	30'
12:30-14:30	Lunch & Break		
14:30-16:30	Parallel Workshops		
16:30-17:00	Coffee Break		
17:00-18:30	Parallel Workshops		

Thursday, November 02

Spectroscopy (Athenaeum Ballroom)			
Session chair: Sinya Aoki			
09:00-09:30	Spectroscopy with LHCb	Tadeusz Lesiak	30'
09:30-10:00	Spectroscopy at Jefferson Lab	Justin Stevens	30'
10:00-10:30	XYZ States from BESIII	Changzheng Yuan	30'
10:30-11:00	Coffee Break		
11:00-11:30	Recent Spectroscopy Results from A2/Mami	Costas Papanicolas	30'
Nuclei (Athenaeum Ballroom)			
Session chair: Fabienne Kunne			
11:30-12:00	New Insights into Nucleon-Nucleon Correlations	Axel Schmidt	30'
12:00-12:30	Understanding the Origin of Proton Spin Using Lattice QCD	Gunnar Bali	30'
12:30-14:30	Lunch & Break		
14:30-16:30	Parallel Workshops		
16:30-17:00	Coffee Break		
Oral presentations of three best posters (Athenaeum Ballroom)			
17:00-18:30	Search for C- and CP-symmetry violating eta-meson decays at MAMI	Cristina Collicott	
	Two-photon exchange correction to the hyperfine splitting in ordinary and muonic hydrogen	Oleksandr Tomalak	
	The TREK/E36 experiment at J-PARC	Dongwi Handiipondola Dongwi	

Friday, November 03

Beyond the Standard Model, Precision, Electroweak (Athenaeum Ballroom)			
Session chair: Peter Blunden			
09:00-09:30	Probing the Origin of Proton Spin Using Transverse Momentum Distributions	Alessandro Bacchetta	30'
09:30-10:00	Search for New Physics via the Anomalous Magnetic Moment of the Muon	Marc Vanderhaeghen	30'
10:00-10:30	Theoretical Perspective on Search for a Fifth Force via Electromagnetic Interactions	Susan Gardner	30'
10:30-11:00	Coffee Break		
Session chair: Zein-Eddine Meziani			
11:00-11:30	Experimental Perspective on Search for a Fifth Force via Electromagnetic Interactions	Ross Corliss	30'
11:30-12:00	Nuclear physics in Neutrino Scattering	Raúl González-Jiménez	30'
12:00-12:30	Search for New Physics with Neutrinos	James Napolitano	30'
12:30-14:30	Lunch & Break		
14:30-22:00	Half-day Excursion & Conference Dinner		

Saturday, November 04

Workshop Reports (Athenaeum Ballroom)			
Session chair: Constantia Alexandrou			
09:00-09:45	Summary I (Workshop I)	Josef Dudek	45'
09:45-10:30	Summary II (Workshop II)	Marc Vanderhaeghen	45'
10:30-11:00	Coffee Break		
Closing Session (Athenaeum Ballroom)			
Session chair: Werner Vogelsang			
11:00-11:40	New Insights into Hadron Structure	Anthony Thomas	40'
11:40-12:20	Status and Plans for the Electron-Ion Collider	Christine Aidala	40'
12:20-12:30	Closing		

Parallel Workshops

1. Spectroscopy and Hadron structure from lattice QCD

Tuesday, October 31

Session I Spectroscopy (Athenaeum Ballroom)			
14:30-16:30	Coupled-channel meson resonances from lattice QCD	Josef Dudek	25'+5'
	Spectroscopy of charmed mesons and baryons	Mike Peardon	25'+5'
	Lattice QCD investigation of the structure of the $a_0(980)$ meson	Theo Leontiou	15'+5'
	πN p-wave resonant scattering from lattice QCD	Srijit Paul	15'+5'
	Measurement of $\pi^0 \pi^{+/-}$ Photoproduction off the Deuteron with the A2 Experiment	Sebastian Lutterer	15'+5'
16:30-17:00	Coffee Break		
Session II Spectroscopy/Nuclear Physics (Athenaeum Ballroom)			
17:00-18:30	Helicity PDFs	Werner Vogelsang	25'+5'
	Photopion Physics at MAMI	David Hornidge	15'+5'
	Photoproduction of the $d^*(2380)$ Dibaryon	Stephen Kay	15'+5'
	Polarization Observables in Meson Photoproduction with Crystal Ball/TAPS at MAMI	Natalie Walford	15'+5'

Wednesday, November 01

Session I Hadron structure (Athenaeum Ballroom)			
14:30-16:30	Overview of exascale computing	Dirk Pleiter	25'+5'
	Hadronic contributions to the muon g-2 from lattice QCD	Hartmut Wittig	25'+5'
	The low-lying hadron masses and meson decay constants using $N_f = 2 + 1 + 1$ simulations with physical values of the quark masses	Simone Bacchio	15'+5'
	Nucleon Electromagnetic and Axial form factors including sea quarks contribution using lattice QCD	Kyriakos Hadjiyiannakou	15'+5'
	Using Polarized Compton Scattering to Study Proton Polarizabilities	Philippe Martel	15'+5'
16:30-17:00	Coffee Break		
Session II Nucleon Structure (Athenaeum Ballroom)			
17:00-18:10	Spin structure of the nucleon	Giannis Koutsou	25'+5'
	Nucleon charges at physical pion mass using twisted mass fermions	Jacob Finkenrath	15'+5'
	Progress in computing parton distribution functions at the physical pion mass from the quasi-PDF approach	Aurora Scapellato	15'+5'

Thursday, November 02

Session on Challenges in lattice QCD (Athenaeum Ballroom)			
14:30-16:30	Multi-quark studies	Marc Wagner	25'+5'
	Approaches for unstable particles	Marcus Petschlies	25'+5'
	Parton Distributions	Kostas Orginos	25'+5'
	Strangeness	Jeremy Green	25'+5'
16:30-17:00	Coffee Break		

2. New Avenues in Lepton Scattering

Tuesday, October 31

Session I: EIC gluon and sea structure (Ariadne Room)			
14:30-16:30	Nucleon spatial imaging and EIC	Carlos Munoz Camacho	30'+5'
	Nucleon momentum imaging and EIC	Mauro Anselmino	30'+5'
	A polarized ^3He source for the EIC	Matthew Musgrave	20'+5'
	Virtual Compton Scattering on the Proton	Helene Fonvielle	20'+5'
16:30-17:00	Coffee Break		
Session II: Nuclei as a laboratory of QCD and else (Ariadne Room)			
17:00-18:30	Fundamental QCD at high energy at an EIC	Matthew Sievert	30'+5'
	Towards saturation: Experiments at an EIC	Thomas Ulrich	25'+5'
	The Muse experiment: A study of the proton radius puzzle with simultaneous ep and mu-p	Bill Briscoe	20'+5'

Wednesday, November 01

Session I: Nuclear & Nucleon Structure issues relevant to other fields (Ariadne Room)			
14:30-16:30	Hadronization/N-N correlations at an EIC	Kawtar Hafidi	30'+5'
	N-N correlations in nuclei	Meytal Duer	30'+5'
	Dispersive and model calculations of two photon exchange vs data	Oleksander Tomalak	20'+5'
	Electro-disintegration of ^{16}O as a tool for investigating $^{12}\text{C}(\alpha,\gamma)^{16}\text{O}$ reaction	Ivica Friščić	20'+5'
16:30-17:00	Coffee Break		
Session II: ERL projects and others (Ariadne Room)			
17:00-18:30	Overview of ERLs (Mainz, JLab, EIC...)	Sebastian Baunack	30'+5'
	LERF at JLab	Steve Benson	25'+5'
	The proton charge radius and the ProRad experiment	Mostafa Hoballah	20'+5'

Thursday, November 02

Session I: Instrumentation & Others (Ariadne Room)			
14:30-16:30	EIC detectors	Jose Repond	30'+5'
	Gas Electron Multipliers for high intensity applications	Michael Kohl	20'+5'
	Beam normal spin asymmetry for the ep to eDelta (1232) process	Carl Carlson	20'+5'
	Theory of two-Photon Physics	Igor Danilkin	20'+5'
	Discussion		10'
16:30-17:00	Coffee Break		