



Collaboration Meeting

June 13-16, 2017

Outline

- Agenda
 - On Indico(<https://www.jlab.org/indico/event/222/>).
 - BlueJeans for teleconferencing (see CLAS info wiki).
- Papers: 4 published, 5 submitted since March CLAS Collaboration meeting, 10 more in the pipeline.
- Proposals for PAC45.
- CLAS issues and announcements.
- User Group announcements.

Papers published since March 2017

CLAS Paper	Title	Lead Author	Contact Person	Journal
2015-07	Target and double spin asymmetries of deeply virtual π^0 production with a longitudinally polarized proton target and CLAS	A.Kim	A.Kim	Phys Lett B, 768, 168-173 (2017).
2016-02	Measurement of two-photon exchange effect by comparing elastic $e^\pm p$ cross sections	D. Rimal	B.Raue	Phys Rev C, 95, 065201
2016-06	Differential Cross Sections and Polarization Observables from CLAS K^* Photoproduction and the Search for New N^* States	A.V.Anisovich	K.Hicks	Phys Lett B, 771, 142-150 (2017)
2016-11	Photon Beam Asymmetry sigma for eta and eta' Photoproduction From the Proton	P.Collins	B.Ritchie	Phys Lett B, 771, 213-221 (2017)

Papers submitted since March 2017

CLAS Paper	Title	Lead Author	Contact Person	Journal
2017-01	Measurements of the Differential and Total Cross Sections of $gd \rightarrow K^0 \Lambda$ (p) Reaction within the resonance region	N.Compton	N.Compton	PRC
2017-02	Measurements of the $ep \rightarrow e' \pi^+ \pi^- p$ Cross Sections with CLAS at $1.40 \text{ GeV} < W < 2.0 \text{ GeV}$ and $2.0 \text{ GeV}^2 < Q^2 < 5.0 \text{ GeV}^2$	E.L.Isupov	K. Hicks	PRC
2017-04	$gn \rightarrow \pi^- p$ Differential Cross Section Measurements with CLAS	P.Mattione	D.Carman	PRC
2017-03*	The Beam-Target E asymmetry for $\vec{g} \vec{n} \rightarrow \pi^- p$ in the N^* resonance region	D.Ho	A.Sandorfi	PRL
2017-05	Photon beam asymmetry σ in the reaction $\gamma p \rightarrow p \omega$ for $E_\gamma = 1.152$ to 1.876 GeV	P. Collins	B. Ritchie	PLB

* - Fast Track procedure

Collaboration-wide Review

CLAS Paper	Title	Lead Author	Contact Person	Status	Journal
2016-10	Determination of the Proton Spin Structure Functions for $0.05 < Q^2 < 5.0 \text{ GeV}^2$ using CLAS	R.Fersch	R.Fersch	Author check	PRC
2017-06	Semi-Inclusive π^0 target and beam-target asymmetries from 6 GeV electron scattering with CLAS	S.Jawalker	K.Griffioen	Near author check	PLB
2017-08	Measurement of the Helicity Difference in $\omega \rightarrow \pi^+ \pi^- \pi^0$ Photoproduction	Z.Akbar	V.Crede	In CWR	PRC
2017-07	First Exclusive Measurement of Deep Virtual Compton Scattering off ^4He : Toward the 3D tomography of nuclei	M.Hattawy	N.Baltzell	Near author check	PRL

With ad hoc Committee

Title	Lead Author	Contact Person	Run group
Beam spin asymmetries of $ep \rightarrow ep\eta$ in the deep inelastic regime	A.Kim	A.Kim	e1f
Measurement of the target asymmetry T in the photo-production of omega mesons off the proton using CLAS at Jefferson Laboratory	P.Roy	V.Crede	g9b
Hard exclusive pion electroproduction at backward angles with CLAS	K.Park	K.Park	e1-6a
Cross sections for the Deeply Virtual Compton Scattering (DVCS) on the proton at Jefferson Laboratory	N. Hirlinger Saylor	N. Hirlinger Saylor	eg1-dvcs
First Time Measurement of Cascade-Polarization in Photoproduction	J.Bono	L.Guo	g12
Photoproduction of Scalar Mesons at CLAS	S.Chandavar	K.Hicks	g12

Proposals Submitted to PAC45

Title	Working Group	Contact Person	Run group
Near threshold J/Psi photoproduction and study of LHCb pentaquarks with CLAS12	Hadron Spectroscopy	S.Stepanyan	A
Tagged EMC Measurements of Light Nuclei	Nuclear	E. Dupre	ALERT (new)
Tagged Deeply Virtual Compton Scattering Off Light Nuclei	Nuclear	W.Armstrong	ALERT (new)
Partonic Structure of Light Nuclei	Nuclear	Z. E. Meziani	ALERT (new)
Electrons for Neutrinos - Addressing Critical Neutrino-Nucleus Issues	Nuclear	Weinstein, Hen, Piasetzky	Neutrinos (new)

CLAS Issues and Announcements

- Analysis Committee of Experts (ACE) has written a draft of the CLAS12 analysis procedures – See Silvia Niccolai’s CLAS12 Workshop talk and the CLAS12 wiki.
- Consider forming an analysis review committee to guide preparations for first experiment (recommendation in Common Tools report).
<https://www.jlab.org/Hall-B/secure/claschair/nov16/CommonToolsReportNov2016.pdf>
- Update membership lists by May 29 - done.
- Discussion of run group schedule proposed at last Collaboration meeting was held May 18. Meeting report and materials are available on the CLAS Information here –
https://wiki.jlab.org/clas_chair/index.php/CLAS_Collaboration_Information
This topic will become a regular part of the Coordinating Committee meetings.
- PAC 45
 - Will be held during the week of July 10, 2017.
 - https://www.jlab.org/exp_prog/PACpage

CLAS Issues and Announcements

- Division of Nuclear Physics meeting
 - October 25-28, Pittsburgh, PA.
 - Abstracts due June 30.
 - Application for the Conference Experience for Undergraduates (CEU) are due August 1. See <https://www.uwlax.edu/ceu/current> for details.
- JSA/SURA
 - Initiatives Fund proposals due July 17, 2017.
 - http://www.jlab.org/user_resources/meetings/UGBOD/Jan_2017/PM/UGBoD_Lawson.pptx

User Group Announcements

- Officers
 - Chair: Larry Weinstein (Old Dominion University)
 - Chair-Elect: Krishna Kumar (Stony Brook University)
 - Vice-Chair: Julie Roche (Ohio University)
 - Past-Chair: Haiyan Gao (Duke University)
 - Secretary/Treasurer: Lorelei Chopard (Jefferson Lab)
- Selected the thesis and postdoc prize winners (announcement soon).
- Presented the User Group update to the JSA Program Committee at the April JSA meeting.
- Participated in the Nuclear Physics Hill Day on May 22 along with users from FRIB, RHIC and fundamental symmetries.
- Most of the officers met on May 30 with almost the entire DoE Nuclear Physics staff (Tim Hallman, Gulshan Rai, Jehanne Gillo, James Sowinski, Paul Sorensen and Manouchehr Farkhondeh) to demonstrate user enthusiasm and present the case for running JLab 30+ weeks/year.
- Will present a form letter at the User Meeting to be edited and emailed to your representatives and senator to request more funding for Nuclear Physics in general and Jefferson Lab in particular.
- User Group Meeting scheduled for June 19-21.



Collaboration Meeting

June 13-16, 2017