Collaboration Meeting

March 28-31, 2017

Outline

- Agenda
  - On Indico(https://www.jlab.org/indico/event/201/).
  - BlueJeans for teleconferencing (see CLAS info wiki).
- Papers: 4 published, 1 accepted, 3 submitted, 13 more in the pipeline since November CLAS Collaboration meeting.
- CLAS12 issues and announcements.
- CLAS announcements.
- User Group announcements.

Papers published since November 2016

CLAS Paper	Title	Lead Author	Contact Person	Journal
2016-08	Exclusive η electroproduction at W>2 with CLAS and transversity GPDs	I.Bedlinskiy	P.Stoler	Phys Rev C 95, 035202
2016-09	Target and Beam-Target Spin Asymmetries in Exclusive π^0 Electroproduction for Q^2>1 GeV^2	P.Bosted	P.Bosted	Phys Rev C 95, 035207
2016-04	Beam-Target Double Spin Asymmetry In Quasi-Elastic Electron Scattering Off the Deuteron with CLAS	M. Mayer	S.Kuhn	Phys Rev C 95, 024005
2016-07	Target and Beam-Target Spin Asymmetries in exclusive π^+ electro-production for Q^2>1 GeV^2. I. $ep \rightarrow e\pi^+ n$	P.Bosted	P.Bosted	Phys Rev C 95, 035206

Papers accepted since November 2016

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

Papers submitted

CLAS Paper	Title	Lead Author	Contact Person	Journal
2016-02	Measurement of two-photon exchange effect by comparing elastic $e^{\pm}p$ cross sections	D. Rimal	B.Raue	Phys Rev C
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
2016-11	Photon Beam Asymmetry Σ for η and η' Photoproduction From the Proton	P.Collins	B.Ritchie	Phys Lett B

Collaboration-wide Review

CLAS Paper	Title	Lead Author	Contact Person	Status	Journal
2016-10	Determination of the Proton Spin Structure Functions for $0.05 < Q^2 < 5.0$ GeV^2 using CLAS	R.Fersch	R.Fersch	Final revisions	PRC
2017-01	Measurements of the Differential and Total Cross Sections of gd->K0 Lambda (p) Reaction within the resonance region	N.Compton	N.Compton	Final revisions	PRC
2017-02	Measurements of the ep->e'pi+pi-p Cross Sections with CLAS at 1.40 GeV < W < 2.0 GeV and 2.0 GeV2 < Q2 < 5.0 GeV2	E.L.Isupov	K. Hicks	Final revisions	PRC

With ad hoc Committee

Title	Lead Author	Contact Person	Run group
Beam spin asymmetries of ep→epη in the deep inelastic regime	A.Kim	A.Kim	e1f
Photon Beam Asymmetry Sigma for eta and eta' photoproduction from the proton	P.Collins	B.Ritchie	g8b
Semi-Inclusive pi0 target and beam-target asymmetries from 6 GeV electron scattering with CLAS	S.Jawalker	K.Griffioen	eg1-dvcs
Measurement of the Helicity Difference in omega -> pi+ pi- pi0 Photoproduction	Z.Akbar	V.Crede	g9a, g9b
Photon beam asymmetry sigma in the reaction gamma p -> p omega for Egamma = 1.152 to 1.876 GeV	P.Collins	B.Ritchie	g8b
gn -> pi- p Differential Cross Section Measurements with CLAS	P.Mattione	D.Carman	PRC

With ad hoc Committee

Title	Lead Author	Contact Person	Run group
The Beam-Target E asymmetry for \vec g \vec n -> pi- p in the N∗ resonance region	D.Ho	A.Sandorfi	g14
First Exclusive Measurement of Deep Virtual Compton Scattering off 4 He: Toward the 3D tomography of nuclei	M.Hattawy	N.Baltzell	eg6
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

Forming ad hoc Committee

Title	Lead Author	Contact Person	Run group
Hard exclusive pion electroproduction at backward angles with CLAS	K.Park	K.Park	e1-6a

CLAS12 Issues and Announcements

- Analysis Committee of Experts (ACE) formed as recommended in Common Tools Report – See Ken Hicks' talk.
- Time to consider forming an analysis review committee now to guide preparations for first experiment (also in Common Tools report). https://www.jlab.org/Hall-B/secure/claschair/nov16/CommonToolsReportNov2016.pdf
- C4F10 availability for LTCC
  - ERR recommends plan to ensure adequate amount gas or consider running without it.
  - We have C4F10 on hand for one sector and one run.
- Response from Volker on C4F10 availability to get PID with Cherenkov detectors in one sector.
  - Get the RICH installed on schedule – September, 2017.
  - Live with one sector of LTCC if adequate.
  - Only needed for E12-06-112 for pion SIDIS – fall run is only a fraction of the approved beamtime.
- Let me know if you have other ideas related to the C4F10.
- Time has been allocated Friday morning for a discussion if needed.
- Update membership lists by May 29, 2017 otherwise your institute will be responsible for all members on the list as of that date.

CLAS Announcements

- PAC 45
  - Will be held during the week of July 10, 2017.
  - Proposals due 8 am, Monday, May 22, 2017.
  - https://www.jlab.org/exp_prog/PACpage
- Division of Nuclear Physics meeting
  - October 25-28, Pittsburgh, PA.
  - Abstracts due date not yet on website – was July 1 last year.
- JSA/SURA
  - Initiatives Fund proposals due July 17, 2017.
  - http://www.jlab.org/user_resources/meetings/UGBOD/Jan_2017/PM/UGBoD_Lawson.pptx
- Reception this evening after end of session.
- Collaboration photo during the coffee break this morning.
- No Quark Café on Friday.

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)

- Recent UGBoD meeting January 20, 2017
  - Reports on all Halls, Accelerator, Theory, Computing, Diversity, JSA Initiative, etc.
  - Jeopardy policy status presented.
  - Presentations can be found at the following site.
    https://wiki.jlab.org/cugwiki/index.php/UGBoD_Meetings

- User Group Meeting scheduled for June 19-21.

https://wiki.jlab.org/cugwiki

Collaboration Meeting

June 16-18, 2016