



Collaboration Meeting

June 16-18, 2016

Outline

- Agenda
 - On Indico(<https://www.jlab.org/indico/event/146/>).
 - Reception on Thursday evening (6 pm).
 - BlueJeans for teleconferencing (see CLAS info wiki).
- Papers: 2 published, 11 more in the pipeline since February CLAS Collaboration meeting.
- PAC44: 12 submissions.
- CLAS announcements.
- User Group announcements.

Papers published since February 2016

CLAS Paper	Title	Lead Author	Contact Person	Journal
2015-08	Photoproduction of the $f_1(1285)$ Meson	R.Dickson	R.Schumacher	Phys Rev C 93, 065202
2016-03	Photoproduction of Λ and Σ^0 hyperons using linearly polarized photons	C.A.Paterson	D. Ireland	Phys Rev C 93, 065201

Papers submitted

CLAS Paper	Title	Contact Person	Journal
2015-07	Target and double spin asymmetries of virtual π^0 production with a longitudinally polarized proton target and CLAS	Kim	Phys Rev Lett
2016-01	Target and Beam-Target Spin Asymmetries in exclusive π^+ and π^- electroproduction with 1.6 to 5.7 GeV	Bosted	Phys Rev C
2016-02	Measurement of two-photon exchange effect by comparing elastic $e^\pm p$ cross sections	Raue	Phys Rev C

First stage of ad hoc review complete

CLAS Paper	Title	Contact Person	Status	Journal
2016-07	Target and Beam-Target Spin Asymmetries in exclusive π^+ electroproduction for $Q^2 > 1 \text{ GeV}^2$ from the eg1-dvcs Experiment	Bosted	Post-Collaboration-wide Review	Phys Rev C
2016-06	A third nucleon resonance with $JP = \frac{1}{2}^-$ from CLAS data on $\gamma p \rightarrow K^* \Lambda$	Hicks	Post-Collaboration-wide Review	Phys Lett B
2016-05	Measurement of Target and Double-spin Asymmetries for $ep \rightarrow e\pi^+n$ Reaction in the Nucleon Resonance Region at Low Q^2	Zheng	Post-Collaboration-wide Review	Phys Rev C
2016-08	Exclusive η electroproduction at $W > 2$ with CLAS and transversity GPDs	Stoler	Collaboration-wide Review	Phys Rev C

With ad hoc Committee

Title	Lead Author	Run group
Beam spin asymmetries of $ep \rightarrow ep\eta$ in the deep inelastic regime	Kim	e1f
Beam-Target Double Spin Assymetry In Quasi-Elastic Electron Scattering Off the Deuteron with CLAS	Mayer	e6

Forming ad hoc Committee

Title	Lead Author	Run group
Determination of the Proton Spin Structure Functions for $0.05 < Q^2 < 5.0 \text{ GeV}^2$ using CLAS	Fersch	eg1
Target and Beam-Target Spin Asymmetries in Exclusive π^0 Electroproduction for $Q^2 > 1 \text{ GeV}^2$	Bosted	eg1-dvcs

Physics Analysis Papers

Title	Lead Author	Status	Journal
New Results from the studies of the $N(1440)1/2^+$, $N(1520)3/2^-$, $\Delta(1620)1/2^-$ resonances in exclusive $ep \rightarrow e'p'\pi^+\pi^-$ electroproduction with the CLAS detector	Mokeev	Published	Phys Rev C 93, 025206

Program Advisory Committee

PAC 44 – will meet week of July 25, 2016.

Title	Contact Person	Type	Run Group (contact person)
Tagged EMC Measurements on Light Nuclei	Dupre	New	ALERT (K.Hafidi)
Tagged Deeply Virtual Compton Scattering Off Light Nuclei	Armstrong	New	“ “
Partonic Structure of Light Nuclei	Meziani	New	“ “
A Search for Hybrid Baryons in Hall B with CLAS12	D’Angelo	New	Hyperons (Burkert)
Deeply Virtual Compton Scattering with CLAS12 at 6.6 GeV and 8.8 GeV	L.Elouadrhiri	New	“
Nucleon Resonance Structure Studies Via Exclusive KY Electroproduction at 6.6 GeV and 8.8 GeV	D.Carman	New	“

Program Advisory Committee

Title	Contact Person	Type	Run Group (contact person)
Proposal of extension of the CLAS12 run-group Cb (ND3 target)	Niccolai	New	RG-Cb extended (S.Niccolai)
Deeply virtual Compton scattering on the neutron with a longitudinally polarized deuteron target	Niccolai	Parallel running	RG-Cb (Sebastian Kuhn)
Transition Form Factor of the eta Meson with CLAS12	M.Kunkel	Parallel running	RG-A (Franck Sabatie)
Double Deeply Virtual Compton Scattering with CLAS12	Guidal	LOI	
J/Psi electroproduction with CLAS12	S.Stepanyan	LOI	
Other Physics Opportunities with ALERT	K.Hafidi	New	ALERT

CLAS Announcements

- Statement of Service
 - due November 15.
 - Institutional representatives should access <https://www.jlab.org/Hall-B/shifts/index.php>
- Completion of Experiment Readiness Review
 - June 13-14.
 - Reviewed Forward Tagger, RICH, Micromegas, Central Neutron Detector.
 - Twenty talks on project scope, status, assembly, installation, commissioning, operation, safety, manpower.
- Division of Nuclear Physics meeting
 - October 13-16.
 - Vancouver, BC.
 - US citizens will need a passport. Others may need a visa.
 - Abstracts due July 1, 2016.

User Group Announcements

- Officers
 - Chair: Haiyan Gao (Duke University)
 - Chair-Elect: Larry Weinstein (Old Dominion University)
 - Vice-Chair: Krishna Kumar (Stony Brook University)
 - Past-Chair: John Arrington (Argonne National Lab)
 - Secretary/Treasurer: Lorelei Chopard (Jefferson Lab)
- Annual User's Group meeting is next week June 20-22.
 - Focus on the 2015 Long Range Plan for Nuclear Science.
 - Graduate students can attend for free.
 - UGBod will meet evenings of June 20 and June 21.
 - Please share any concerns with the Board before those meetings.
 - Suggestions for the Director's search are welcome (the search will be discussed during the meetings).
 - Presentations can be found at the following site.

https://wiki.jlab.org/cugwiki/index.php/UGBoD_Meetings

<https://wiki.jlab.org/cugwiki>



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