



# Collaboration Meeting

February 23-26, 2016

# Outline

- Agenda
  - On Indico.
  - Reception on Wednesday evening (6 pm).
  - BlueJeans for teleconferencing (see CLAS info wiki).
- Papers
- PAC dates.
- Institutional membership lists.
- User Group announcements.
- Nuclear Physics Day

# CLAS Publications since October 2015

CLAS Paper	Title	Lead Author	Journal
2015-2	First Measurement of the Polarization Observable E in the $p(\gamma,\pi^+)n$ Reaction up to 2.25 GeV	Strauch	Phys Lett B 750, 53-58
2015-3	Cross sections for the exclusive photon electroproduction on the proton and Generalized Parton Distributions	Jo	Phys Rev Lett. 115, 212003
2015-6	A Search for Baryon- and Lepton-number violating decays of Lambda hyperons using the CLAS detector at Jefferson Laboratory	McCracken / Bellis	Phys Rev D 92, 072002
2015-4	Precise Determination of Deuteron and Neutron Spin Structure Functions at Low to Moderate Q <sup>2</sup> with CLAS (eg1b)	Guler	Phys Rev C, 92, 055201
2015-5	Measurement of the helicity asymmetry E in eta photoproduction on the proton (FROST)	Senderovich	Phy Lett B, 755, 64-69

# Papers submitted

CLAS Paper	Title	Lead Author	Status	Journal
2015-7	Target and double spin asymmetries of virtual $\pi^0$ production with a longitudinally polarized proton target and CLAS	Kim	Submitted	Phys Rev Lett

# First stage of ad hoc review complete

CLAS Paper	Title	Lead Author	Status	Journal
2015-8	Photoproduction of the $f_1(1285)$ Meson	Dickson	Post-Collaboration-wide Review	Phys Rev C
2016-01	Target and Beam-Target Spin Asymmetries in exclusive $\pi^+$ and $\pi^-$ electroproduction with 1.6 to 5.7 GeV	Bosted	Post-Collaboration-wide Review	Phys Rev C
2016-02	Measurement of two-photon exchange effect by comparing elastic $e^\pm p$ cross sections	Raue	Author check	Phys Rev C
2016-03	Photoproduction of $\Lambda$ and $\Sigma^0$ hyperons using linearly polarized photons	Ireland	Post-Collaboration-wide Review	Phys Rev C

# With Ad hoc Committee

Title	Lead Author	Run group
Target and Beam-Target Spin Asymmetries in exclusive $\pi^+$ electroproduction for $Q^2 > 1$ GeV <sup>2</sup> from the eg1-dvcs Experiment	Bosted	eg1-dvcs
Beam spin asymmetries of $ep \rightarrow ep \eta$ in the deep inelastic regime	Kim	e1f
A third nucleon resonance with $J^P = \frac{1}{2}^-$ from CLAS data on $\gamma p \rightarrow K^* \Lambda$	Hicks	g10
Measurement of Target and Double-spin Asymmetries for $ep \rightarrow e\pi^+n$ Reaction in the Nucleon Resonance Region at Low $Q^2$	Zheng	eg4
Exclusive eta electroproduction at $W > 2$ with CLAS and transversity GPDs	Stoler	e1dvcs

# 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	Accepted	Phys Rev C

# Program Advisory Committee

PAC 44 – will meet week of July 25,  
2016 (proposals due **June 6**).

Let me know if you plan to submit a  
proposal.



# Institutional Representatives

- Update your institutional membership list.
- If somebody has left your group, let Bryan McKinnon know  
([bryan.mckinnon@glasgow.ac.uk](mailto:bryan.mckinnon@glasgow.ac.uk)).
- Once the person is removed from the institutional membership list, you can delete them from the shift workers list.
- If you DON'T do this, your group will get extra shifts!

# 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)
- Discussions of Hall B Run Group proposal, jeopardy process, and new PAC submission website were held at January meeting. See the following sites for details.

[http://www.jlab.org/user\\_resources/meetings/UGBOD/Jan\\_2016/BMCK\\_UGBOD\\_Jan16.pptx](http://www.jlab.org/user_resources/meetings/UGBOD/Jan_2016/BMCK_UGBOD_Jan16.pptx)

The full set of presentations are at the following site.

[https://wiki.jlab.org/cugwiki/index.php/UGBoD\\_Meetings](https://wiki.jlab.org/cugwiki/index.php/UGBoD_Meetings)

- User Group meeting: June 20-22, 2016.

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

# Nuclear Physics Day

- March 14, 2016
- Yes, you can lobby Congress!
- Opportunity for the user community to convey the importance of funding for nuclear physics to their elected officials.
- Sign-up for this year is already past, but think about doing this in the future.
- [https://wiki.jlab.org/cugwiki/index.php/Nuclear\\_Physics\\_Day\\_on\\_the\\_Hill](https://wiki.jlab.org/cugwiki/index.php/Nuclear_Physics_Day_on_the_Hill)



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