

08:30 - 10:30

## Hadron Spectroscopy Working Group

Remote connection: <https://bluejeans.com/681949276>

Convener: Marco Battaglieri (INFN-GE)

Location: CEBAF Center ( L102 )

### 08:30 Hadron Spectroscopy Working Group Business 20'


Speaker: Dr. Marco Battaglieri (INFN-GE)

### 08:50 JPAC activity update 20'

Speaker: Jannes Nys (Ghent University)

### 09:10 Event generator for exclusive $N\pi$ and $KY$ electroproduction at $Q^2$ up to $12 \text{ GeV}^2$ 20'

Speaker: Mr. Valerii Klimenko (Moscow State University)

Material: [Slides](#) 

### 09:30 Analysis of $\eta \rightarrow \pi^+\pi^-\pi^0$ with CLAS6 20'

Speaker: Mr. Daniel Lersch (Juelich Research Center)

### 09:50 $K^+\Sigma^-$ E observable from g14 20'

Speaker: Dr. Nicholas Zachariou (University of Edinburgh)

Material: [Slides](#) 

### 10:10 Lambda-Nucleon Scattering with g12 20'

Speaker: Joey Rowley (Ohio University)

Material: [Slides](#) 

11:00 - 12:30

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### 11:00 A Study of Lambda(1520) photoproduction 20'

Speaker: Mr. Utsav Shrestha (Ohio University)

Material: [Slides](#) 

### 11:20 Polarization Observables from Strangeness Photoproduction on g9a 20'

Speaker: Dr. Stuart Fegan (GWU)

### 11:40 Polarization Observables T and F in the $\gamma p \rightarrow p \pi^0$ reaction (g9b) 20'

Speaker: Mr. Hao Jiang (University of South Carolina)

Material: [Slides](#) 

### 12:00 Analysis Reviews status 30'

Speaker: Dr. Marco Battaglieri (INFN-GE)

# HSWG

## CLAS Collaboration Meeting JLab, March 8 2018

## Agenda

- \* CLAS6 data analysis
- \* Status of ongoing analysis (update from previous collaboration meeting)
- \* Dedicated (joint) session for CLAS12

## Activities

- \* A lot of activity around Engineering run + RG-A preparation/analysis
- \* All groups are encouraged to look at the data (low/high level) to check calibration, possible issues,
- \* CLAS12 data analysis are needed to optimize fall run conditions (luminosity, acceptance, trigger efficiency, ...)
- \* 13/4 analysis/new
- \* Any CLAS6 analysis ready for review has to give a presentation to the HSWG?
- \* CLAS6 analysis ready for a plenary talk next time
- \* Strengthen the collaboration with JPAC

## Talks

- \* Over all CLAS contributions, HSWG-related are 34 (2017)%
- \* Regular interactions with the CSC
- \* REMINDER: Communicate talks and proceedings to the CSC
- \* JSA-TFC funds \$15k allocated for 2018



# WG Reviews status

## Released

### Gamma n --> K Y from gl4

PI: R. Schumacher

RC: W. Briscoe (Chair), B. McKinnon, A. D'Angelo

### 2pi Electroproduction from e16

PI: A. Trivedi

RC: Philip Cole (Chair), Daria Sokhan, Victor Mokeev

Status: started on Oct, 1 round in 1 month, response on Feb 1, APPROVED

# WG Reviews status

## New since last meeting

### Vector-Meson Photoproduction decaying to Multitrack-Final States using CLAS-g12 Data

PI: Z.Akbar

RC: John Price (Chair), Susan Schadmand , Eugene Pasyuk

Status: started on Jan 1, I round almost done

### Determination of E double polarization observable for the reaction $gn \rightarrow K + \Sigma^-$ from g14

PI: N.Zachariou

RC: Annalisa D'Angelo (Chair), Michael Dugger , Maurik Holtrop

Status: started on Nov 9, I round in ~2 months, quick response from the PI, II round close to be distributed

### Search for $Cs^*$ Photoproduction from Threshold to 3.3 GeV

PI: K.Hicks

RC: David Ireland (Chair), Carlos Salgado , Yordanka Ilieva

Status: started on Oct 15, I round in 1 month, waiting for PI response



# WG Reviews status

In progress

**Photoproduction of the  $3\pi$  mesons in the reaction  $\gamma p \rightarrow \pi^+\pi^+\pi^-n$  with CLAS detector at 6 GeV/c**

PI: P. Eugenio

RC: D. Glazier (chair), A. Filippi, M. Dugger

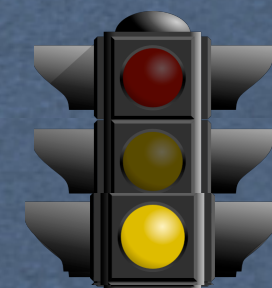
Status: 2nd round, response received, almost done

**Dalitz Plot Analysis of  $\eta'$  to  $\eta \pi \pi$  – from CLAS g12 Data Set**

PI: S. Ghosh

RC: V. Crede (chair), A. Rizzo, E. Pasyuk

Status: Started in July'17; first round of comments on Sept 17: no response from the PI since then. Is the analysis dead ?????



**Exclusive  $\pi^-$  Electroproduction off the Neutron in Deuterium in the Resonance Region**

PI: Y. Tian

RC: Nikolay Markov (Chair), Mikhail Bashkanov, Eugene Isupov

Status: 1st round in August, waiting for response from PI ???

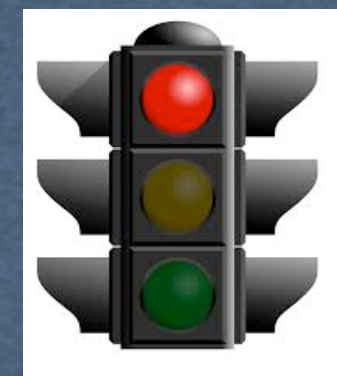
**Polarization Observables T and F in the  $\vec{p}(\vec{\gamma}, \pi^0)p$  Reaction**

PI: H. Jiang

RC: Barry Ritchie (Chair), Volker Crede, Bryan McKinnon

Status: no info received from March; presentation at the HSWG ????

# WG Reviews status



## Radiative decay of $\eta'$ to $\pi^+ \pi^- \gamma$ from $g11$ data set

PI: G. Mbianda Njencheu

RC: R. Schumacher, S. Schadmand, A. Celentano

Status: no response in many months ??????

## Spin observables in $\eta$ meson photoproduction on the proton from FROST data

PI: R. Tucker (ArizonaU) et al.

RC: K. Livingston, J. Price, Xiangdong Wei

Started July 2016

Status: on-hold, still on-hold but authors are alive, paused for a while, still on-hold, ...

## Measurement of $\Sigma$ in $\pi^-$ photoproduction on the neutron from the $g13b$ datasets

PI: D. Sokhan (GlasgowU) et al.

RC: Eugene Pasyuk (Chair), Nicholas Zachariou, Paul Mattione

Started Jul 2016

Status: waiting for comment from author, ????

## Pentaquark search in $g10$ by using the MMSA method

PI: Kenneth Hicks et al.

RC: Stepan Stepanyan (Chair), Lei Guo, Bryan McKinnon

Started Aug 2015

Status: NO progress

## $K\Lambda$ and $K\Sigma$ from FROST

PI: N. Walford et al.

RC: S. Strauch, M. Holtrop, P. Mattione,

Started May 2015

1 round of comments in May 2015, waiting for a revised

Status: stalled for a long while, now it seems to be resurrected, unfortunately NO, no news ...

## Exclusive Photo-Production Measurement of $K^+\Sigma^{*-}$ off Quasi-Free Neutrons in Deuterium

PI: H. Lu (SCU) et al.

RC: N. Zachariou, M. Dugger, D. MacGregor

Started in 2012 (!)

Status: ?????????????



# CLAS Working Groups Joint Session

14:30 - 16:00	<b>CLAS WGs Joint Session: CLAS12 physics and analyses</b> <i>Remote connection: <a href="https://bluejeans.com/825591695">https://bluejeans.com/825591695</a></i> Conveners: Dr. Marco Battaglieri (INFN-GE), Mr. Marco Contalbrigo (INFN Ferrara), Dr. Michael Wood (Canisius College), Latifa Elouadrhiri (Jefferson Lab) Location: CEBAF Center ( F113 )	▼
14:30	<b>First look at CLAS12 data from online and offline data processing 30'</b> Speaker: Francois-Xavier Girod (JLab)	▼
15:00	<b>Analysis of elastic scattering at 2.2 GeV 20'</b> Speaker: Nick Markov (University of Connecticut)	▼
15:20	<b>CLAS12 kinematic corrections 20'</b> Speakers: Joshua Artem Tan, Stefan Diehl	▼
15:40	<b>Discussion 20'</b>	▼
16:00 - 16:30	<b>Coffee Break</b>	
16:30 - 18:10	<b>CLAS WGs Joint Session: CLAS12 physics and analyses</b> <i>Remote connection: <a href="https://bluejeans.com/825591695">https://bluejeans.com/825591695</a></i> Conveners: Dr. Marco Battaglieri (INFN-GE), Mr. Marco Contalbrigo (INFN Ferrara), Dr. Michael Wood (Canisius College), Latifa Elouadrhiri (Jefferson Lab)	▼
16:30	<b>Normalized electron yields 20'</b> Speaker: Andrey Kim (UCONN)	▼
16:50	<b>First look at DIS and SIDIS 20'</b> Speaker: Dr. Harut Avagyan (Jefferson Lab)	▼
17:10	<b>Analysis of low-q, quasi-real processes 20'</b> Speaker: Dr. Derek Glazier (University of Glasgow)	▼
17:30	<b>Analysis of <math>ep \rightarrow epp\pi^0</math> from CLAS12 2.2 GeV data and comparison with CLAS e1e 20'</b> Speaker: Ken Hicks (Ohio University)	▼
17:50	<b>Discussion 20'</b>	▼