

Hadron Spectroscopy Working Group - I

Remote connection: <https://bluejeans.com/928575007>

Convener: Dr. Marco Battaglieri (INFN-GE)

- 08:20 **Hadron Spectroscopy Working Group Business 20'**
Speaker: Dr. Marco Battaglieri (INFN-GE)
- 08:40 **JPAC report 20'**
Speaker: Dr. Alessandro Pilloni (Jefferson Lab)
- 09:00 **Contribution of N* resonances to unpolarised inclusive electron scattering 20'**
Speaker: Dr. A.N. Hiller Blin (Mainz University)
- 09:20 **Evaluation of the inclusive electron scattering off proton observables from the CLAS/world data 20'**
Speaker: A. Golubenko (Moscow State University)
- 09:40 **Photoproduction of d* dibaryon resonance from g10 dataset 20'**
Speaker: Mr. Taya chetry (Ohio University)

Hadron Spectroscopy Working Group - II

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Convener: Dr. Marco Battaglieri (INFN-GE)

Location: F113

- 10:30 **The omega- \rightarrow pi0e+e- from g12 data set 20'**
Speaker: Susan Schadmand (Forschungszentrum Juelich)
- 10:50 **Photoproduction of Lambda* resonances ifrom g12 data set 20'**
Speaker: Utsav Shrestha (Ohio University)
- 11:10 **Lambda-proton scattering from g12 data set 20'**
Speaker: Joey Rowley (Ohio University)
- 11:30 **Photoproduction of Proton-antiproton pairs from g12 data set 20'**
Speaker: William Phelps (The George Washington University)
- 11:50 **Proposal: J/psi Photoproduction off the Deuteron 20'**
Speaker: Yordanka Ilieva (University of South Carolina)
- 12:10 **HSWG analysis reviews status 20'**
Speaker: Dr. Marco Battaglieri (INFN-GE)

HSWG

CLAS Collaboration Meeting
JLab, July 12 2018

+ HS/Deep/Nuclear
CLAS12 analyses
joint session

Agenda

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

Activities

- * Resumed a weekly HSWG meeting focused on Low-Q2 specific needs:
 - FT Calibration (in coordination with the CALCOM)
 - MesonExTrigger studies
 - pld task force
- * Meeting on Tuesday at 11:00 (JLab-time)
- * 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, ...)
- * List of ongoing analysis on HSWG wiki page
- * CLAS6 analysis ready for a plenary talk next time

Talks

- * Over all CLAS contributions, HSWG-related are XX%
- * On going elections of HSWG representatives in the CSC
 - A.d'Angelo (currently CSC chair)
 - L.Guo
 - I.Strakowsky
- * JSA-TFC funds \$15k allocated for 2018

**vote ends today at
11:59PM!**

WG Reviews status

Released

Measurement of Sigma in pi- photoproduction on the neutron from the gI3b dataseta

PI: D.Sokhan (GlasgowU) et al.

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

Started Jul 2016

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

Determination of E double polarization observable for the reaction $gn \rightarrow K + \Sigma^-$ from gI4

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

New since last meeting

Measurement of the G Double-Polarisation Observable in Positive Pion Photoproduction

PI: L.Zana

RC: S.Strauch (Chair), P.Cole, D.Sokhan

Status: started on July 9 2018

Polarization Observables in (Vector-)Meson Photoproduction (FROST)

PI: V.Crede

RC: K.Livingston (Chair), V.Mokeev

Status: started on , I round done

In progress

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, progressing

WG Reviews status

In progress

Photoproduction of the 3π mesons in the reaction $\gamma p \rightarrow \pi^+\pi^+\pi^-n$ with CLAS detector at 6 GeV/c²

PI: P. Eugenio

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

Status: 2nd round, response received, almost done

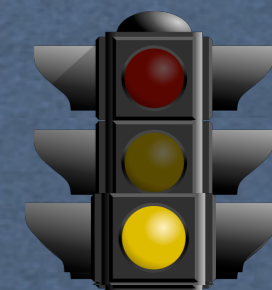
Dalitz Plot Analysis of eta' to eta pi pi – from CLAS g12 Data Set

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.

Scarce communication with the review committee. 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, still waiting

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

PI: H. Jiang

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

Status: the group is working on major issue

WG Reviews status

Radiative decay of η' to $\pi^+ \pi^- \gamma$ from g_{I1} data set

PI: G. Mbianda Njencheu

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

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

Spin observables in η 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, ...

Pentaquark search in g_{I0} 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 ...

Should we give the analysis to another group?

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: ??????????????

