



Morning

Hadron Spectroscopy 1

Remote connection: <https://bluejeans.com/465074976>

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: Dr. Alessandro Pilloni (JLab)
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Material: [Slides](#) 
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HSWG

CLAS Collaboration Meeting
JLab, June 17 2016

Afternoon:
PAC sessions

Agenda

- * Discussion about on-going / new-analysis
- * PAC sessions (joint with other WG)

Activities

- * Regular report at HSWG on JPAC activity to strengthen exp/the connection
- * JPAC review in May: plenary talk at the next Collaboration meeting
- * Analysis ready for a plenary presentation?
- * Chairmanship renewal

Igor's talk

Talks

- * Over all CLAS contributions, HSWG-related are 33%
- * We missed a couple of opportunities: why?
- * Define a WG procedure to promote talks (especially for young HSWG researches) and promote mature analysis
- * REMINDER: Communicate talks and proceedings to the CSC
- * JSA-TFC funds \$20k allocated for 2016

*3 HSWG proposals reviewed

- Transition Form Factors of the ρ and Mesons with CLAS12
 - PI: M.Kunkel et al.
 - Review Committee: D.Glazier (chair), K.Hicks, P.Roy
- A Search for Hybrid Baryons in Hall B with CLAS12
 - PI: A.D'Angelo et al.
 - Review Committee: D.Watts (chair), N.Markov, C.Salgado
- Nucleon Resonance Structure Studies Via Exclusive KY Electroprod. at 6.6 and 8.8 GeV
 - PI: D.Carman et al.
 - Review Committee: G.Niculescu (chair), KA.Filippi, L.Guo

* First g12 related analysis

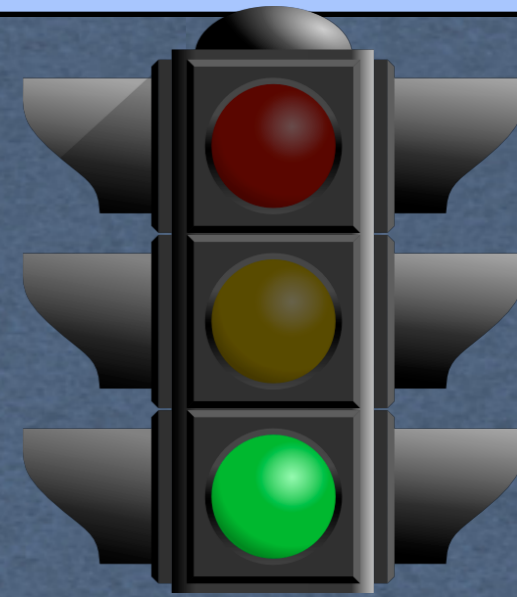
- Reduced review committee: 2 reviewers + 1 link to the g12 analysis
- Short review (few weeks), limited to the analysis procedures not yet approved by g12
 - Cascade polarization in photoproduction
 - PI: J.Bono
 - Review Committee: A.D'Angelo (chair), M.Kunkel + E.Pasyuk (from g12 rungroup review comm)

Homeworks

- * Analysis framework for the first (and second) experiment(s)
- * Re-organization of the the HSWG in CLAS12 era:
 - development of a common analysis framework (high level analysis?)
 - role in raw data calibration and correction
 - analysis review : tutoring? run-group analysis?

Derek's talk at the
CLAS12 Coll. Meet.

WG Reviews status



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

Timeline: jun 2016

Status: just started

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

Timeline: jun 2016

Status: just started

New
since last meeting

Polarization Observables in $g(\text{pol})p(\text{pol}) \rightarrow ppi + \pi$ -Using the g9a (FROST) Target and CLAS

PI: V.Crede (FSU) et al.

RC: K.Livingston, V. Ziegler, E. Golovach

Timeline: Sep 12 2013 started,

$\gamma + p \rightarrow p K^+ K^-$ reaction

PI: S.Lombardo (Cornell)

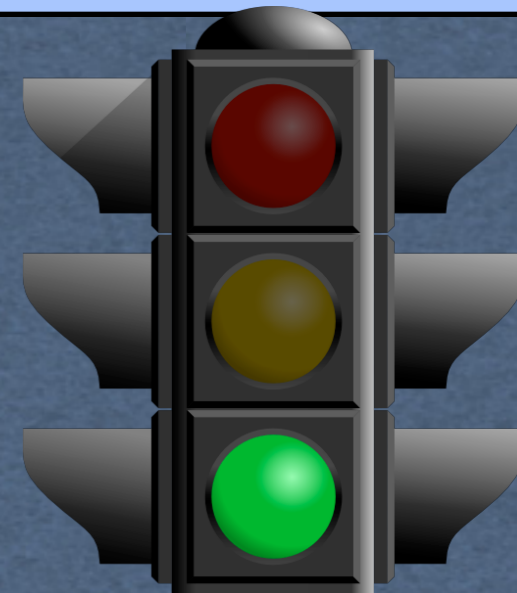
RC: P.Eugenio, D. Schott, D. Carman

Timeline: started Jan 17 2014



DONE!

WG Reviews status



$K^0\Lambda$ Photoproduction on the Neutron within the Resonance Region

PI: Nick Compton

RC: L.Zana, E.Isupov, S.Schadmand

Started Jan 2016

Status: II round, progressing

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

Status: resumed with reshuffled committee, still waiting ...

In progress

Gamma p to K^0K^0 from the g_{I2} Data Set

PI: Kenneth Hicks and Shloka Chandavar

RC: Carlos Salgado (Chair), Derek Glazier , Lorenzo Zana

Status: II round

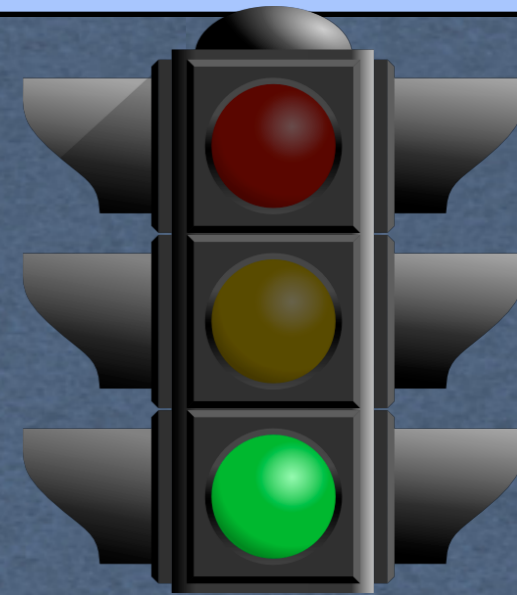
Pentaquark search in g_{I0} by using the MMSA method

PI: Kenneth Hicks et al.

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

Status: III round

WG Reviews status



Polarized structure function σ_{LT} from the single π^0 electroproduction on the proton in the resonance region

PI: Nick Markov

RC: V. Crede, Ralf Goethe, Yelena Prok

Started Sept 2014

Status: new Pid documented as addendum

Spin observables in omega production

PI: Brian Vernarsky

RC: F. Klein, A. Filippi, S. Strauch

Started Sept 2014

Status: resumed connection with CMU, Committee

Status: progressing

In progress

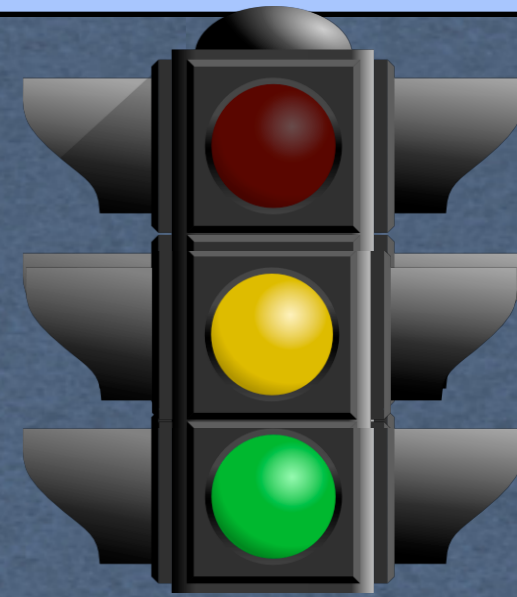
2π photoproduction from g_1

PI: Evgheny Golovach et al.

Ralf Gothe (Chair), Lei Guo, Alessandro Rizzo

Status: progressing

WG Reviews status

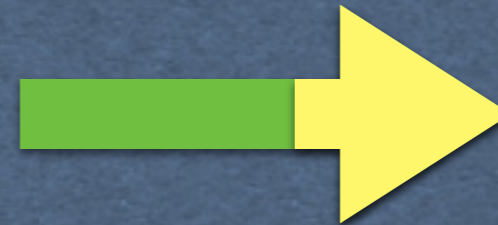


E asymmetry for $g n \rightarrow \pi^- p$ from $g l 4$ (HDice) data

PI: F.Klein

RC: B.Briscoe, P.Cole, M.Dugger

Status:?????



KLambda and KSigma from FROST

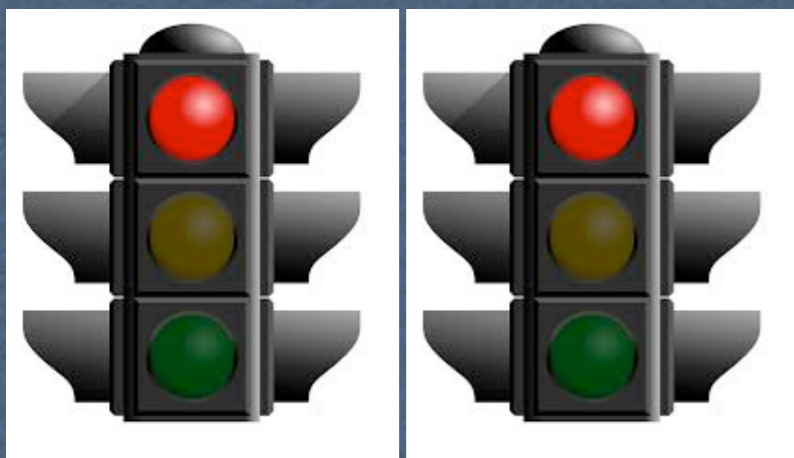
PI: N.Walforf et al.

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

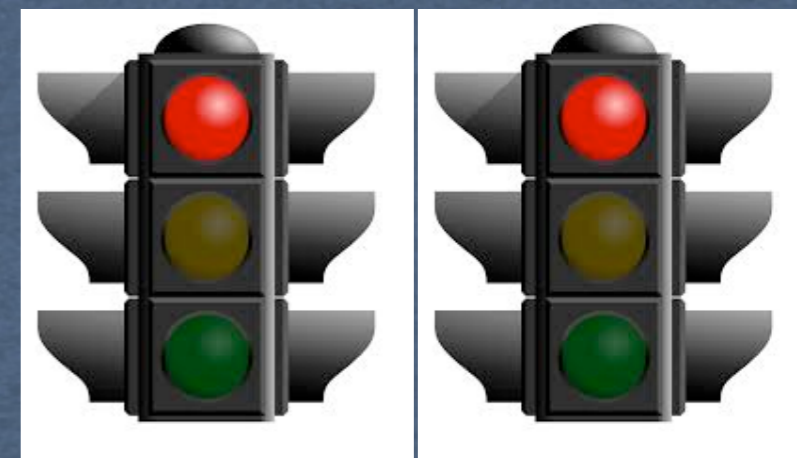
1 round of comments in May 2015, waiting for a revised

Status: stalled





WG Reviews status



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

Status: resumed with reshuffled committee, still waiting ...



Data analysis technique for obtaining $\gamma p \rightarrow \eta p$, $\gamma p \rightarrow \eta' p$ and $\gamma p \rightarrow \omega p$ beam asymmetries from the g8b running period

PI: Mike Dugger (Patrick Collins)

RC: L.Guo, D.Sober, E.Golovach

Timeline: Jan 2013 started, Feb 1st round

Status: ??? no feedback from the PI



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