

CLAS Collaboration Meeting

Kyungseon JOO
for the CLAS Collaboration

November 10-13, 2020



CLAS Collaboration Meetings during CoVid-19

- November 12 – 15, 2019: Last in-person collaboration meeting
- March 24 – 25, 2020: 1st remote-only collaboration meeting
- April 28 – 29, 2020: 2nd remote-only collaboration meeting
- July 21 – 24, 2020: 3rd remote-only collaboration meeting
- August 10 – 14, 2020: PAC 48 (remote)
- September 25, 2020: PAC 48 Jeopardy (remote)
- November 10 – 13, 2020: 4th remote-only collaboration meeting
- Remote meetings will continue until things are resolved.

PAC48 Proposals and Jeopardy Reviews

PAC 48 SUMMARY OF RECOMMENDATIONS

Number	Contact Person	Title	Hall	Days Req'd	Days Awarded	Scientific Rating	PAC Decision
<u>PR12-20-002</u>	R. Milner	A Program of Spin-Dependent Electron Scattering from a Polarized He-3 Target in CLAS12	B	30	30	A-	C1
<u>PR12-20-005</u>	H. Szumila-Vance	Precision measurements of A=3 nuclei in Hall B	B	60	60	A-	Approved
<u>PR12-20-009</u>	E. Voutier	Beam charge asymmetries for Deeply Virtual Compton Scattering on the proton at CLAS12	B	100			C2

RUN GROUP ADDITION SUMMARY

Number	Contact Person	Title	Hall	Topic
<u>E12-06-106A</u>	R. Dupre	Nuclear TMDs in CLAS12	B	5
<u>E12-09-007A</u>	C. Dilks	Studies of Dihadron Electroproduction in DIS with Longitudinally Polarized Hydrogen and Deuterium Targets	B	3
<u>E12-06-117A</u>	M. Arratia	Dihadron measurements in electron-nucleus scattering with CLAS12	B	5

PAC 48 Proposals and Jeopardy Reviews

PAC 48 SUMMARY OF JEOPARDY RECOMMENDATIONS

Number	Contact Person	Title	Hall	Days Req'd	Days Awarded	Scientific Rating	PAC Decision
<u>RG-A</u>	L. Elouadrhiri	CLAS12 Run Group A (RG-A)	B	200		A	Remain Active
<u>RG-B</u>	S. Niccolai	CLAS12 Run-Group B: Electroproduction on deuterium with CLAS12	B	56		A	Remain Active
<u>RG-C</u>	S. Kuhn	CLAS12 Run Group C	B	200	120	A	Remain Active
<u>RG-D</u>	L. El Fassi	Study of Color Transparency in Exclusive Vector Meson Electroproduction off Nuclei	B	60	30	B+	Remain Active
<u>RG-E</u>	W. Brooks	Quark Propagation and Hadron Formation	B	60		A-	Remain Active
<u>RG-G</u>	W. Brooks	The EMC Effect in Spin Structure Functions (CLAS Run Group G)	B	55		B+	Upgrade Rating A-
<u>RG-H</u>	M. Contalbrigo	Run Group H Jeopardy Update Document. CLAS12 Experiments with a Transversely Polarized Target	B	110		A	Remain Active
<u>RG-K</u>	A. D'Angelo	RG-K Quark-Gluon Confinement & Strong QCD	B	100		A-	Remain Active

CLAS12 First Publication

- RG-A Common Analysis Note and two physics analyses are under review and will be finalized soon.
 - A first multidimensional study of SIDIS π^+ beam spin asymmetry over a wide range of kinematics: S. Diehl et al.
 - Charged di-hadron SIDIS beam spin asymmetries from CLAS12: T. Hayward et al.
- Ad-hoc reviews will begin soon: R. Milner (Chair), V. Burkert and D. Carman
- Next RG-A publications status and plans (Weds. 1st session)
- RG-B and RG-K publications

Readiness Reviews for Pass-1 Data Processing

- The RG-B readiness review for pass-1 cooking of the fall 2019 dataset was successfully conducted on Nov. 6th, 2020.
- RG-A readiness review for pass-1 cooking is also scheduled on Dec. 2nd, 2020.
- Need to plan on Pass-2 processing.

CLAS6/CLAS12 Analysis Projects

- PWG will collect all CLAS6/CLAS12 analysis projects that are currently underway either by students, postdocs, or senior members.
- Each PWG will maintain the compiled list of all on-going analyses, will periodically review the status of each analysis, and will publish latest results.

New Membership Application

- Application for CLAS membership by a new Institution:
 - New Mexico State U. presented by Michael Paolone (Tuesday session)

- Procedure:
 - Presentation of the group, research interests, current and future plans, software and hardware contributions, ... to the Collaboration for open discussion
 - Application to be discussed (and approved) by the CLAS Coordinating Committee (CCC)
 - New Institution members can apply for Term membership

New PhDs from CLAS12 Data

- Pierre Chatagnon (Orsay): “Time-like Compton scattering with CLAS12”
- Brandon Clary (UConn, now at Lawrence Livermore National Lab): “Exclusive Phi Production with CLAS12”
- Both will give a talk on Friday

Summary

- A 4-day full program
- ~ 180 participants registered.
- Need good discussions on technical details, physics analyses, publications, etc.
- Let's continue to work together as one collaboration and support each other.