

Hall C Users Group Business Meeting

Hall C Collaboration Meeting January 28-29 2020

Hall C Users Group Webpage



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EXPERIMENTAL HALL C

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EXPERIMENTAL HALL C

Meetings

- [Hall C Users Meeting, January 28-29, 2020 \(Registration\)](#)
- [Joint Hall A & C Summer Collaboration Meeting, June 27-28, 2019](#)
- [Hall C Users Meeting, January 28-29, 2019](#)
- [Joint Hall A & C Data Analysis Workshop, June 25-26, 2018](#)
- [Joint Hall A & C Summer Collaboration Meeting, June 21-22, 2018](#)
- [Previous Meetings](#)

Physics

- [Approved 12GeV Experiments, All 12 GeV](#)
- [Approved 6GeV Experiments, All 6 GeV](#)
- [Experiment Homepages](#)
- [Journal Publications](#)
- [Experiment Posters](#)
- [Ph.D and Master's & Theses](#)
- [Experiment Schedule](#)

Data Reduction & Analysis

- [Analysis Documentation](#)

General Information

- [Staff](#)
- [Hall C User's Group](#)
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Hall C Users Group Webpage

User Board

Rectangular Snip

The SHMS-HMS User Group was formally started at the 2009 Hall C summer workshop when the initial user board was appointed by the Hall C leader. Members were appointed with staggered terms. As the terms of the initial board expire, elections are held by the user group to replace board members.

Upcoming Board 2019—2020

Board Member	Email	Institution	Term expires
Narbe Kalantarians	narbe@jlab.org	VUU	9/1/2020
Joerg Reinhold	reinhold@jlab.org	FIU	9/1/2020
Holly Szumila-Vance	hszumila@jlab.org	JLab	9/1/2021
Dipangkar Dutta	ddutta@jlab.org	MSU	9/1/2021
David Hamilton	dhamilto@jlab.org	Glasgow	9/1/2022
Simona Malace	simona@jlab.org	JLab	9/1/2022

Rotating out this year

Please contact any of the current members with nominations (self-nominations are O.K.): we will call out for elections via e-mail sometime during the Summer of 2020

From Holly – contact Holly for questions/comments

Author list for commissioning experiments:

"12 shifts during the commissioning time period qualifies the individual to be published with Color Transparency (E12-06-107), F2 (E12-10-002), EMC, $x > 1$ (E12-10-008, E12-06-105), deuteron electrodisintegration (E12-10-003) AND SIDIS (E12-09-017), CSV (E12-09-002) and kaonLT (E12-09-011)."

Status:

- Spreadsheet at: <https://hallcweb.jlab.org/elogs/Commissioning+Experiments+Analysis/> (entry 39)
- Blue = RCs
- Columns indicate those who served 12+ shifts or 8 shifts (E12-06-107, E12-10-002, E12-10-008, and E12-10-003), or 4 shifts for one experiment (commented to the right which experiment they took the shifts on)

To do:

- Compile names of individuals who contributed substantially to the construction/Hall readiness effort.
- Individual experiments can add whoever they want additionally for their specific papers
- Commissioning experiments need to add those who were instrumental in commissioning
- Decide how to order names (few major contributors to the analysis and then collaboration or collaboration alphabetically?)

Contact Holly for questions/comments

	A	B	C	D										
1	December 4-December 10	Dave Gaskell			A	B	C	D	E	F	G	H	I	J
2	December 11-December 17	Howard Fenker				exp								
3	January 11-January 21	Dipangkar Dutta			ct	E12-06-107								
4	January 22-January 29	Md Latiful Kabir			x>1	E12-10-002								
5	January 30-February 6	Simona Malace			f2	E12-10-008								
6	February 7-February 13	Holly Szumila-Vance			deuteron	E12-10-003								
7	February 14-February 17	Sanghwa Park												
8	February 18-February 23	Dave Mack												
9	February 24-March 2	Eric Pooser			Guidance:									
10	March 3-March 6	Simona Malace			<p>Starting at Tuesday April 10th the SIDIS group of experiments will start. The SIDIS experiments will run continue running in next fall run period. The shift requirements for authorship on all experiments is 12 shifts for the combined run periods (the current run period + next run period).</p>									
11	March 7-March 14	Markus Diefenthaler												
12	March 15-March 23	Vladimir Berdnikov												
13	March 23-March 27	Eric Pooser												
14	March 28-April 4	Simona Malace												
15	April 5-April 11	Sanghwa Park			<p>**** OLD info ***** The primary goal for this run period is to run the SHMS commissioning and collect data for experiments E12-06-107, E12-10-002, E12-10-008, and E12-10-003. The number of shifts required for authorship on all (one) experiments is 8 (4).</p>									
16	April 12-April 20	Markus Diefenthaler												
17	April 21-April 29	Vladimir Berdnikov												
18	April 30-May 7	Simona Malace												
19														
20					<p>For 12 shifts: In addition to your experiment, Color Transparency (E12-06-107), F2 (E12-10-002), the EMC,x>1 combination (E12-10-008, E12-06-105), , we should add SIDIS (E12-09-017), CSV (E12-09-002), and kaonLT (E12-09-011).</p>									
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														

	A	B	C	D	E	F	G
1	Name	Institution	Number of Shifts	All comm+SIDIS start	Comm only	Single Exp	Single Exp name
2	Daniel Abrams	University of Virginia, Charlottesville, VA	8	FALSE	TRUE	FALSE	
3	Zafar Ahmed	University of Regina, Regina, SK , Canada	8	FALSE	TRUE	FALSE	
4	Bashar Aljawrneh	North Carolina Ag. and Tech. St. Univ. Greensboro, NC	8	FALSE	TRUE	FALSE	
5	Sheren Alsalmi	Kent State University, Kent, OH	8	FALSE	TRUE	FALSE	
6	Ryan Ambrose	University of Regina, Regina, SK , Canada	19	TRUE	FALSE	FALSE	
7	Darko Androic	University of Zagreb, Zagreb, Croatia	5	FALSE	FALSE	TRUE	ct
8	Fernando Araiza Gonzalez	Stony Brook, State University of New York	14	TRUE	FALSE	FALSE	
9	Whitney Armstrong	Temple University Philadelphia PA	8	FALSE	TRUE	FALSE	

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55	Abishek Karki	Mississippi State University, Miss. State, MS	25	TRUE	FALSE	FALSE	
56	Cynthia (Thia) Keppel	Jefferson Lab	6	FALSE	FALSE	TRUE	
57	Achyut Khanal	Florida International University	8	FALSE	TRUE	FALSE	
58	Paul King	Ohio University, Athens, OH	8	FALSE	TRUE	FALSE	
59	Ed Kinney	University of Colorado, Boulder, CO	9	FALSE	TRUE	FALSE	
60	Ho San Ko	Institut de Physique Nucleaire, Orsay, France	5	FALSE	FALSE	TRUE	ct
61	Michael Kohl	Hampton University , Hampton, VA	3	FALSE	FALSE	FALSE	
62	Nathaniel Lashley-Colthirst	Hampton University , Hampton, VA	9	FALSE	TRUE	FALSE	
63	Shujie Li	University of New Hampshire, Durham, NH	8	FALSE	TRUE	FALSE	
64	Wenliang Li	The College of William and Mary	10	FALSE	TRUE	FALSE	
65	Dave Mack	Jefferson Lab	23	TRUE	FALSE	FALSE	
66	Simona Malace	Jefferson Lab	68	TRUE	FALSE	FALSE	
67	Pete Markowitz	Florida International University	1	FALSE	FALSE	FALSE	
68	John Matter	University of Virginia, Charlottesville, VA	13	TRUE	FALSE	FALSE	
69	Dave Meekins	Jefferson Lab	1	FALSE	FALSE	FALSE	

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87	Abel Sun	Carnegie Mellon University , Pittsburgh, PA	17	TRUE	FALSE	FALSE	
88	Holly Szumila-Vance	Jefferson Lab	32	TRUE	FALSE	FALSE	
89	Arun Tadeipalli	Rutgers University, New Brunswick, NJ	4	FALSE	FALSE	TRUE	f2
90	Vardan Tadevosyan	Artem Alikhanian National Laboratory (AANL).	19	TRUE	FALSE	FALSE	
91	Richard Trotta	Catholic University of America , Washington, DC	3	FALSE	FALSE	FALSE	
92	Andres Vargas Hernandez	Catholic University of America , Washington, DC	8	FALSE	TRUE	FALSE	
93	Stephen Wood	Jefferson Lab	11	FALSE	FALSE	FALSE	
94	Carlos Yero	Florida International University	31	TRUE	FALSE	FALSE	
95	Jinlong Zhang	Stony Brook, State University of New York	8	FALSE	TRUE	FALSE	
96	Jixie Zhang	University of Virginia, Charlottesville, VA	1	FALSE	FALSE	FALSE	

**“The SHMS 11GeV/c Spectrometer
in Hall C at Jefferson Lab” [NIM article](#)**

“The SHMS 11GeV/c Spectrometer
in Hall C at Jefferson Lab” **NIM article**



It's not out yet!



“The SHMS 11GeV/c Spectrometer in Hall C at Jefferson Lab”

1. Introduction: [D. Gaskell](#)

- A. Brief overview of JLab accelerator and electron beam
- B. The ongoing physics program of Hall C (what has Hall C been good at?)
- C. Physics program in the 12GeV era (what we will do in the future)

2. Specifications for the upgraded Hall-C Spectrometer: [H. Fenker](#)

3. Design and Development of the SHMS Systems

- 3.1. Magnetic Optics: [M. Jones](#)
- 3.2. Shield House Layout, Shielding Design: [T. Horn](#)
- 3.3. Scintillator Trigger Hodoscopes: [I. Niculescu](#), [G. Niculescu](#)
- 3.4. Quartz-bar Trigger Hodoscope: [S. Malace](#)
- 3.5. Drift Chambers: [E. Christy](#)
- 3.6. Heavy-Gas Cerenkov Counter: [G. Huber](#)
- 3.7. Noble-Gas Cerenkov Counter: [D. Day](#)
- 3.8. Aerogel Cerenkov Counter: [T. Horn](#)
- 3.9. Preshower and Shower Counters: [H. Mkrtchyan](#), [V. Tadevosyan](#)
- 3.10. Trigger and Data Acquisition: [B. Sawatzky](#)
- 3.11. Software: [E. Pooser](#), [S. Wood](#)
 - 3.11.1. Online Monitoring
 - 3.11.2. Common-use Analysis Packages

4. SHMS Performance: Operating Experience and Commissioning Results ([H. Fenker with Input from ALL](#))

Results highlighting results from each part of section 3

5. Conclusion

See Steve's talk for more; we are sooo behind; let's do this!

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Everyone that doesn't have to write



Those that have to

