

DNP-2024, October 7-10

Tuesday, October 8, 2024
8:54AM - 9:06AM

[D12.00003: Performance and Commissioning of Super BigBite Scintillator Detectors for Nucleon Form Factor Experiments at Jefferson Lab](#)
Ralph M Marino

Tuesday, October 8, 2024
10:30AM - 10:42AM

[E05.00001: SBS GEP Experiment - Simulation Results and Experiment Design Modifications](#)
Nikolas K Hunt

Tuesday, October 8, 2024
10:42AM - 10:54AM

[E05.00002: The GEP-5 Proton Electric Form Factor Experiment in Hall A at Jefferson Lab](#)
Donald Charles Jones

Thursday, October 10, 2024
10:30AM - 10:42AM

[R12.00001: Simulation, Reconstruction and Analysis Framework for the Super BigBite Spectrometer Experiments in Jefferson Lab's Hall A](#)
Andrew J Puckett

Thursday, October 10, 2024
10:42AM - 10:54AM

[R12.00002: A High \$Q^2\$ Measurement of the Neutron's Electric Form Factor: Status Update for the GEN-II Experiment at Jefferson Lab](#)
Katherine T Evans

Thursday, October 10, 2024
10:54AM - 11:06AM

[R12.00003: Jefferson Lab's GEN-II Experiment: Using a Novel \$^3\text{He}\$ Target for the Measurement of the Neutron Electric Form Factor at High \$Q^2\$](#)
Jack Jackson

Thursday, October 10, 2024
11:06AM - 11:18AM

[R12.00004: Neutron Elastic Form Factor Ratio from Recoil Polarization](#)
Sarashwati Dhital, Michael Kohl, Bogdan Wojtsekhowski, David Hamilton, William Tireman

Thursday, October 10, 2024
11:18AM - 11:30AM

[R12.00005: An Experiment to Measure the Weak Axial-Vector Form Factor, \$F_A\(Q^2\)\$, using the \$p\(e,n\)\nu\$ Reaction with Polarized Electrons at \$Q^2 = 1 \text{ GeV}^2\$](#)
Todd D Averett, Jim J Napolitano, Bogdan Wojtsekhowski

Thursday, October 10, 2024
11:30AM - 11:42AM

[R12.00006: Measurement of the Weak Neutral Current Form Factor of the Proton at high momentum transfer](#)
Caryn Palatchi, Kent Paschke, Rakitha S Beminiwattha, David Hamilton, Bogdan Wojtsekhowski

Number of shifts in GMn+nTPE per institution

has signed up for between the period of Sep 23 to Feb 8, 2022.

Institution	Number of Shifts	Number of Shifts with weights
Artem Alikhanian National Laboratory (AANL).	13	17
California State University , Los Angeles, CA	5	7.5
Carnegie Mellon University , Pittsburgh, PA	20	22
Christopher Newport University, Newport News, VA	11	11
College of William and Mary	9	10
Hampton University , Hampton, VA	62	74.5
Idaho State University, Pocatello, ID	12	12
James Madison University , Harrisonburg, VA	4	4
Jefferson Lab	79	83
KENT STATE DEPT OF PHYSICS KENT, OHIO	9	10
Lawrence Berkeley Laboratory, Berkeley, CA	9	9
Ohio University, Athens, OH	13	14.5
Randolph Macon College, Ashland, VA	4	4
Stony Brook, State University of New York	33	33
Syracuse University, Syracuse, NY	17	19.5
Temple University, Philadelphia, PA	42	42
The College of William and Mary	95	129
The College of William and Mary, Williamsburg, VA	13	16
Thomas Jefferson National Accelerator Facility, Newport News	84	92.5
University of Connecticut, Storrs, CT	81	92.5
University of New Hampshire, Durham, NH	18	18
University of Regina, Regina, SK , Canada	8	10
University of Virginia, Charlottesville, VA	170	188.5

920 shifts

Number of shifts in GEn per institution

Institution	Number of Shifts	Number of Shifts with weights
A.I. Alikhanian National Science Laboratory	23	24
Brookhaven National Laboratory, Upton, NY	4	4
CEA Saclay	2	2
California State University, Los Angeles	7	10.5
Christopher Newport University, Newport News, VA	28	30.5
Hampton University , Hampton, VA	68	73
INFN, Rome	21	31.5
INFN, Sezione Lecce, Lecce, Italy	19	20
Jefferson Lab	405	486.5
King Saud University, Riyadh, Saudi Arabia	7	10.5
Lawrence Berkeley Laboratory, Berkeley, CA	12	15.5
Longwood College, Farmville, VA	13	16.5
Mississippi State University, Miss. State, MS	25	25
Northern Michigan University	9	12.5
Ohio University, Athens, OH	14	17.5
Old Dominion University	5	5
Stony Brook, State University of New York	27	35.5
Syracuse University, Syracuse, NY	30	37
Temple University, Philadelphia, PA	31	44
Texas A&M University, College Station, TX	14	20.5
The College of William and Mary	228	289.5
University of Connecticut, Storrs, CT	70	90
University of Glasgow	114	140.5
University of Massachusetts, Amherst, MA	28	39
University of Virginia, Charlottesville, VA	268	313.5
Virginia Polytechnic Inst. & State Univ., Blacksburg, VA	37	47
Virginia Tech	39	41
Virginia Union University, Richmond, VA	21	24

1906 shifts

Run coordinators in GEn-II

Contacts for shift sign up: If you have questions about shifts, missing shifts, or duties on shift it is best to contact Will Tireman (tireman@jlab.org). If you have questions about Lab, please contact Mark Jones (jones@jlab.org).

Run Coordinators:

- September 21, 2022 - September 27, 2022
- September 28, 2022 - October 5, 2022
- October 5, 2022 - October 12, 2022
- October 12, 2022 - October 19, 2022
- October 19, 2022 - October 26, 2022
- October 26, 2022 - November 2, 2022
- November 2, 2022 - November 9, 2022
- November 9, 2022 - November 16, 2022
- November 16, 2022 - November 23, 2022
- November 23, 2022 - November 30, 2022
- November 30, 2022 - December 7, 2022
- December 7, 2022 - December 14, 2022
- December 14, 2022 - December 16, 2022
- December 16, 2022 - December 22, 2022
- January 4, 2023 - January 11, 2023
- January 11, 2023 - January 18, 2023
- January 18, 2023 - January 25, 2023
- January 25, 2023 - February 1, 2023
- February 1, 2023 - February 8, 2023
- February 8, 2023 - February 15, 2023
- February 15, 2023 - February 22, 2023
- February 22, 2023 - March 1, 2023
- March 1, 2023 - March 8, 2023
- March 8, 2023 - March 15, 2023
- March 15, 2023 - March 22, 2023
- September 4, 2023 - September 13, 2023
- September 13, 2023 - September 20, 2023
- September 20, 2023 - September 27, 2023
- September 27, 2023 - October 4, 2023
- October 4, 2023 - October 11, 2023
- October 11, 2023 - October 18, 2023
- October 18, 2023 - October 25, 2023
- October 25, 2023 - November 1, 2023
- November 1, 2023 - November 8, 2023
- November 8, 2023 - November 15, 2023
- November 15, 2023 - November 22, 2023
- November 22, 2023 - November 29, 2023

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37 weeks of RC

Schedule for GEp - 2025

Date started	Date completed	Days	Energy	Work
Friday 1/30/25	Sunday 2/09/25	11	6.4	GEp-1
Monday 2/10/25	Thursday 2/13/25	4	8.5	Reconfiguration
Friday 2/14/25	Sunday 3/16/25	31	8.5	GEp-2
Monday 3/17/25	Thursday 3/20/25	4	11.	Reconfiguration
Friday 3/21/25	Sunday 6/17/25	89	11.	GEp-3
Wednesday 6/18/25	Saturday 6/21/25	4	4.2	Reconfiguration
Sunday 6/22/25	Wednesday 6/17/25	4	4.2	GEp+
Sunday 7/20/25	Total days	147		CEBAF OFF

Table 1: The beam schedule as shown on September 10, 2024

147 x (6+1) = 1029 shifts, + RC=> 147x 8.5 = 1250 shifts in six months
 also 24/7 online experts on DAQ, GEM, ... ; 21 weeks RC

Number of shifts in GEn per person

Jefferson Lab	8	8
Stony Brook, State University of New York	7	10.5
University of Glasgow	40	48
Jefferson Lab	14	14
INFN, Sezione Lecce, Lecce, Italy	19	20
Virginia Union University, Richmond, VA	21	24
Jefferson Lab	25	33
University of Virginia, Charlottesville, VA	23	27.5
University of Connecticut, Storrs, CT	14	18
University of Virginia, Charlottesville, VA	22	26
University of Virginia, Charlottesville, VA	17	17
University of Virginia, Charlottesville, VA	17	17
Christopher Newport University, Newport News, VA	20	22.5
The College of William and Mary	23	34
University of Connecticut, Storrs, CT	21	28.5
Old Dominion University	5	5
A.I. Alikhanian National Science Laboratory	7	8
Jefferson Lab	27	31
University of Massachusetts, Amherst, MA	11	15
Hampton University , Hampton, VA	16	17.5
Jefferson Lab	19	23
Jefferson Lab	28	33.5
Jefferson Lab	15	15
Northern Michigan University	9	12.5
University of Virginia, Charlottesville, VA	15	19
INFN, Rome	10	15
Virginia Polytechnic Inst. & State Univ., Blacksburg, VA	13	16
Stony Brook, State University of New York	20	25
The College of William and Mary	16	19.5
Jefferson Lab	35	44

Institution	Number of Shifts	Number of Sh
Virginia Tech	16	16
University of Virginia, Charlottesville, VA	7	7
King Saud University, Riyadh, Saudi Arabia	7	10.5
The College of William and Mary	9	9
Lawrence Berkeley Laboratory, Berkeley, CA	12	15.5
The College of William and Mary	26	28.5
The College of William and Mary	20	29.5
University of Virginia, Charlottesville, VA	27	31.5
Hampton University , Hampton, VA	10	10
Virginia Tech	23	25
University of Virginia, Charlottesville, VA	5	5
Christopher Newport University, Newport News, VA	8	8
Jefferson Lab	7	10
University of Virginia, Charlottesville, VA	2	2.5
Jefferson Lab	14	18.5
Syracuse University, Syracuse, NY	30	37
University of Massachusetts, Amherst, MA	7	10.5
Jefferson Lab	19	19
The College of William and Mary	17	17
University of Virginia, Charlottesville, VA	11	15
INFN, Rome	11	16.5
Temple University, Philadelphia, PA	14	18.5
California State University, Los Angeles	7	10.5
University of Virginia, Charlottesville, VA	14	20
Jefferson Lab	12	16
University of Connecticut, Storrs, CT	18	23

in GEp **proposed** minimum is 15 shifts

APS meeting March 2025

Abstract deadline is October 25

Abstract submission is [available now](#). The site also includes guidelines and logistical details.

deadline is October 25

The DNP-sponsored minisymposia are:

- Collective and single-particle modes of nuclear excitations
- Drawing on and Cultivating the Talent of All
- **Early Results from Nucleon Form Factor Campaign with SBS at JLab**
- Equation of state of hot and dense matter: status and future developments (with DGRAV)
- Experimental and Theoretical Searches for the QCD Critical Point (with GHP)
- Lattice QCD for hadronic physics (with GHP)
- Neutrino Mass in the Laboratory and the Cosmos: Looking Forward (with DPF)
- Novel Instrumentation and Techniques for Low Energy Neutrinos (with DPF)
- Radiation Effects on Superconducting Qubits and Sensors (with DQI -- March unit)
- Time Domain Astrophysics and Nuclear Physics (with DAP)

The DNP-sponsored focus sessions are:

- Applications of Nuclear Physics in Medicine (with GMED)
- Detectors and Instrumentation for Nuclear Physics (with GIMS)
- Density Functional Methods in Nuclear and Condensed Matter Physics (with DCOMP)
- Quantum Information and Nuclear Physics (with DQI)
- Relativistic Fluids (with GHP and DFD)

Participation in the 2025 Global Physics Summit allows a rather unique opportunity present nuclear physics to the broader physics community.

deadline is October 25

GMn – early results for GMn/GD, F2/F1, bars? 2x of final

nTPE – the same

GEn - kin#2 – GEn/GMn possible

GEn-RP – data plots possible

KLL – data plots possible

GEp – first online plots possible

Non zero SFF – expectations

Axial Vector FF – expectations

Instrumentation talks – SBS, BB, GEM, HCAL, ECAL, He-3 ...

