

# FY2013 Publications

PROGRAM	JOURNALS*		THESES	INVITED TALKS
	Lab	Facility	Facility	Lab
Medium Energy Physics	25	4	8	67
Theory	41	12	2	86
Accelerator Physics	19	-	-	5
Engineering	-	-	-	1
FEL	2	-	-	5
12 GeV	-	-	-	1
<b>TOTALS</b>	<b>87</b>	<b>16</b>	<b>10</b>	<b>165</b>

\*PEER REVIEWED JOURNALS → Physical Review, Physical Review Letters, Nuclear Physics, Physics Letters, etc.

LAB = Staff members are authors or give the talk FACILITY = Generated as result of work done at the facility

# FY2013 Awards

- **APS Outstanding Referee** Kees de Jager, former Hall A Leader. One of 142 Outstanding Referees of the Physical Review and Physical Review Letters journals.
- **APS Fellow** Michelle Shinn, Chief Optical Scientist in the Free Electron Laser Division. CITATION: For contributions in the applications of lasers in society, particularly the development of high power optics technologies for rare earth solid state lasers and free-electron lasers. Nominated by: Forum on Industrial and Applied Physics. Announced February 2013.
- **Dalton E. Hamilton Memorial CWI of the Year:** Jenord Alston, Engineering Division, November 2012
- **Second Prize MS Thesis Competition** awarded by Moscow State University: G. Petrun'kin, Physics Division, December 24, 2012
- **2013 Colleges of Science Doctoral Mentoring Award:** Rocco Schiavilla (ODU), Theory Division, 2013
- **SNP School Incentive Prize** awarded by Strangeness Nuclear Physics School in Sendai, Japan: Natalie Walford, Physics Division, February 20, 2013
- **Goldwater Scholarship** awarded by the Barry Goldwater Scholarship and Excellence in Education Foundation: Nathan Hlavin, Physics Division, March 1, 2013
- **Eminent Scholar** awarded by Old Dominion University: Lawrence Weinstein, Physics Division
- **Pinnacle of Education Award**, University of Chicago – Argonne LLC: Kawtar Hafid, Physics Division
- **Orso Maria Corbino** awarded by the Italian Physics Society: Andrea Celentano, Physics Division
- **2013 Pazy Memorial Award** awarded by Tel Aviv University: Or Hen, Physics Division, March 1, 2013
- **DC Power safety awards:** Lee Broeker, Cindy Eller, Maximo Tan, Engineering Division, March 18, 2013

# FY2013 Awards

- **Dissertation Award in Hadronic Physics** awarded by American Physical Society Topical Group on Hadron Physics: Jin Huang, Physics Division, April 1, 2013
- **The Dieter Möhl Award:** Yaroslav Derbenev, Accelerator Division, June 14, 2013
- **Borsa Ettore Pancini** awarded by the Italian Physics Society: Luciana Pappalardo, Physics Division, July 1, 2013
- **Kenneth G. Wilson Award for Excellence in Lattice Field Theory:** Andre Walker-Loud, Theory Division, August 3, 2013
- **JSA Emeritus Status:** Dirk Walecka (W&M), Theory Division, 2012-2013
- **JSA Graduate Fellowship:** Zachary Brown (W&M), Theory Division, 2012-2013 academic year
- **JSA Distinguished Theory Student Fellowship:** Michael C. Freid (Rensselaer Polytechnic Institute), Theory Division, 2012-2013 academic year
- **JSA Promising Young Scientist Grant:** Pedro Jimenez-Delgado, Theory Division, 2012-2013
- **JSA/Jefferson Lab Distinguished Theory Student Fellowship:** Juan Vicente Guerrero, Theory Division, 2013-2014
- **2013 JSA Postdoctoral Research Grant:** Chris Monahan (College of William and Mary), Physics Division. Announced February 2013
- **2012 DOE Secretary of Energy's Achievement Award:** Jan Tyler, Telesha Brown, Brita Hampton, Steve Gagnon, Lisa Surlis-Law, Christine Wheeler (Science Education); received 10/12/2012

# FY2013 Awards

- **2013-2014 JSA/JLab Graduate Fellowship Award:** Shloka Chandavar (Ohio University), Physics Division, 6/3/2013
- **2013-2014 JSA/JLab Graduate Fellowship Award:** Melissa Cummings (College of William and Mary), Physics Division, 6/3/2013
- **2013-2014 JSA/JLab Graduate Fellowship Award:** Chao Gu (University of Virginia), Physics Division, 6/3/2013
- **2013-2014 JSA/JLab Graduate Fellowship Award:** John Hardin (Massachusetts Institute of Technology), Physics Division, 6/3/2013
- **2013-2014 JSA/JLab Graduate Fellowship Award:** Christian Shultz (Old Dominion University), Theory Division, 6/3/2013
- **2013-2014 JSA/JLab Graduate Fellowship Award:** Ye Tian (University of South Carolina), Physics Division, 6/3/2013
- **2013-2014 JSA/JLab Graduate Fellowship Award:** Yong Zhao (University of Maryland), Physics Division, 6/3/2013
- **JSA Thesis prize:** Katherine Myers (Rutgers University), Physics Division, 2013
- **Hampton Roads Sanitation District (HRSD) Platinum Achievement Award;** March 2013 (6 consecutive years)
- **Leadership in Energy and Environmental Design (LEED) Gold Rating** from the U.S. Green Building Council for the environmentally friendly, sustainable design of the Technology and Engineering Development (TED) building.
- **2013 JSA Outstanding Nuclear Physicist Award:** Douglas Beck (University of Illinois, Urbana-Champaign), Physics Division, May 2013
- **2013 JSA Outstanding Nuclear Physicist Award:** Paul Souder (Syracuse University), Physics Division, May 2013
- **JSA Sabbatical Research Support:** Julie Roche (Ohio University), Physics Division, AY2013-2014

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- **JSA Minority Undergraduate Research Assistantship:** Ursula Salamonowicz (North Carolina A&T), Physics Division, AY2013-2014
- **National Safety Council (NSC) "Rising Star of Safety":** Jennifer Williams, ESH&Q Division, July 2013
- **Appointment/Elected Board of Directors of the Health Physics Society - Accelerator Section:** Robert May, Deputy Associate Director, ESH&Q Division
- **Appointment/Elected Chair of the American Physical Society (APS) Division of Nuclear Physics (DNP):** Robert McKeown, Deputy Director Science and Technology, 2012-2013
- **Appointment/Elected APS-DNP Program Committee member:** Latifa Elouadrhiri, Physics Division, 2013
- **Appointment/Elected APS-DNP Tom Bonner Prize Committee member:** Kees De Jager, Physics Division, 2013
- **Appointment/Elected APS-DNP DNP Dissertation Award Committee member:** Robert McKeown, Deputy Director Science and Technology, 2013
- **Appointment/Elected APS-DNP Distinguished Service Award Committee member:** Robert McKeown, Deputy Director Science and Technology, 2013
- **Appointment/Elected ex-Officio member of Nuclear Science Advisory Committee (NSAC):** Robert McKeown, Deputy Director Science and Technology
- **Appointment/Elected Nuclear Science Advisory Committee (NSAC):** Patrizia Rossi, Deputy and Division Safety Officer, Experimental Nuclear Physics Division, 2013

# FY2013 Awards

- **Invention Disclosure 1342:** Energy Recovery Electron Linac for Radioisotope Production; Hari Areti, Andrew Hutton, A. Kimber, G. Krafft , R. Li, David Douglas; 10/11/2012
- **Invention Disclosure 1343:** Rhizospher Molecular Imaging; Andrew Weisenberger, Gregory Bonito (Duke University), Chantal Reid(Duke University), Mark Smith (University of Maryland); 11/12/2012
- **Invention Disclosure 1344:** Integrated Assessment Management System; Bruce Lenzer; 12/10/2012
- **Invention Disclosure 1345:** Magnetized SRF Gun; Rongli Geng, Yuhong Zhang; 1/15/2013
- **Invention Disclosure 1346:** Active Photomultiplier base amplifier-splitter powered by a current flowing through the divider; Vladimir Popov; 1/15/2013
- **Invention Disclosure 1347:** Carbon Nanotubes as Alternative to Adhered Charcoal on Cryopump Cryosorber Surface; Marcy Stutzman; 3/1/2013
- **Invention Disclosure 1348:** Start-up Commissioning Readiness Review System; Bruce Lenzer, Bob May, Mike Staron; 3/8/2013
- **Invention Disclosure 1349:** Superharp Wire Scanner Polymer Signal Fork; B. Dillon-Townes, Marie Ivanco, Bruce Reinhart, Phillip Adderley et. Al; 3/21/2013
- **Invention Disclosure 1350:** FEL Load Lock Puck Engagement; Matthew Marchlik, George Biallis; 4/5/2013
- **Invention Disclosure 1351:** Improved Magnet Coll and Pole Tip Construction for Reduced Magnet Ripple; Michael Tiefenback; 4/15/2013
- **Invention Disclosure 1352:** Achromatic Low-Beta Interaction Region Design; Yaroslav S. Derbenev, Vasiliy S. Morozov, Fanglei Lin, and et al ; 4/15/2013

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- **Invention Disclosure 1353:** A Method of Making A SRF Particle Accelerator Cavity VIA Coating A NB Film on Copper Structure; Xin Zhao, Rong-Li Geng; 4/22/2013
- **Invention Disclosure 1354:** A High Signal Fidelity External-Modulated Electro-Optically Coupled Detector for Nuclear Physics with Radiation Tolerance and Immunity to Large Magnetic Fields; Wenze Xi; 4/30/2013
- **Invention Disclosure 1355:** Radiographic Quantification of Field Emitters in Electrodes; Eric Forman; 5/8/2013
- **Invention Disclosure 1356:** "Water View" - A Mapping/Navigation Aid; David Douglas, Jerry Twigg; 5/13/2013
- **Invention Disclosure 1357:** Use of Video Processing Software to Provide Continuous Verification of Proper Application of Personal Protection Equipment; Paul Vasilauskis; 7/17/2013
- **Invention Disclosure 1358:** Additive Manufacturing Method for SRF Components of Various Geometries; Robert Rimmer, Pedro Figola (RadiaBeam Technologies LLC) Alex Murokh (RBT LLC); 9/6/2013
- **Invention Disclosure 1359:** TIN-Coated Aluminum electrode for Electron Guns or Achieving High Bias Voltages Without Field Emission Using Aluminum Cathode Electrodes Coated With Titanium Nitride; Matt Poelker, Eric Forman, Abdullah Mamum, Rhys Taus; 9/6/2013
- **U.S. Patent No. 8,295,910 B1:** Imaging Method for Monitoring Delivery of High Dose Rate Brachytherapy; Andrew Weisenberger, Stan Majewski; 10/25/2012
- **U.S. Patent No. 8,362,430 B1:** Method for Large and Rapid Terahertz Imaging; Gwyn P. Williams, George Neal; 1/29/2013
- **U.S. Patent No. 8,444,264 B1:** Upconverting Device for Enhanced Recognition of Certain Wavelengths of Light; Brian Kross, John (Jack) E. McKisson, John McKisson, Andrew Weisenberger, Wenze Xi Carl Zorn; 5/21/2013
- **U.S. Patent No. 8,450,707 B1:** Thermal Neutron Shield and Method of Manufacture; Paul D. Brindza, Bert C. Metzger; 5/28/2013

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- **U.S. Patent No. 8,467,425 B1:** Method for High-Energy Laser Pulses from CW Amplifiers; Shukui Zhang; 6/19/2013
- **U.S. Patent No. 8,522,817 B1:** Apparatus and Method for Fast Recovery and Charge of Insulation Gas; Kevin Jordan; 9/3/2013



# FY2013 Conferences, Meetings, Workshops

Conference, Meeting, Workshop, Seminar, Collaboration	Date	Location	Organizer, Chair, Etc.	# Participants	# Institutions
The Role of the Input Scale in Parton Distribution Analysis, P. Jimenez-Delgado	10/01/2012 – 10/07/2012	CERN Geneva, Switzerland	Organizer: Pedro Jimenez-Delgado	25	4
Evidence for the Standard Model Higgs Boson Production at the Trevatron; Dmitri Denisov, Fermi Nat'l Lab.	10/03/2012	JLAB	Organizer: Physics Division	49	7
HZDR Review	10/04/2012 – 10/05/2012	Dresden, Germany	Committee: Stephen Benson	30	16
Applied Superconducting Conference	10/07/2012 - 10/12/2012	Portland, Oregon	Organizing Committee: Ganapati Myneni	1622	563
Distributed Version Control and Git; Jeff King, JLab	10/09/2012	JLAB	Organizer: Physics Division	43	5
Science Series: You Already Know This Physics!	10/09/2012	JLAB	Organizer: Christine Wheeler	200	Community Event
European Spallation Source: An introduction and latest updates	10/16/2012	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
First Results from the Qweak Measurement of the Proton's Weak Charge; Mark Dalton, Univ. of Virginia	10/19/2012	JLAB	Organizer: Physics Division	44	4
Pion Loops in Equal-Time and Light-Front Dynamics: Pseudovector Versus Pseudoscalar Theories, Wally Melnitchouk	10/19/2012	JLAB	Organizer: Theory Center	25	4
3rd Workshop on QCD Structure of the Nucleon (QCD-N'12)	10/22/2012 - 10/26/2012	Bilboa, Spain	International Program Committee: Harut Avakian	73	57

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Two Photon Exchange and the Proton Form Factor Problem, Larry Weinstein, ODU	10/22/2012	JLAB	Organizer: Physics Division / Theory Center	25	4
Two Photon Exchange and the Proton Form Factor Problem; Larry Weinstein, Old Dominion Univ.	10/22/2012	JLAB	Organizer: Physics Division	47	8
2012 Fall Meeting of the APS Division of Nuclear Physics	10/24/2012 - 10/27/2012	Newport Beach, CA	Session Chairs: Robert McKeown; Wally Melnitchouk; Mark Jones; Kijun Park; Carlos Granados Home Page Committee: Doug Higinbotham Attendee: Hugh Montgomery	672	153
Dark Z Boson and Low-Energy New Physics Searches, Hye-Sung Lee, W&M	10/24/2012	JLAB	Organizer: Theory Center	25	4
AVS 59th International Symposium & Exhibition	10/28/2012 - 11/02/2012	Tampa, Florida	Vacuum Technology Division Chair: Marcy Stutzman	2500	40
PRISMA Scientific Advisory Board and Opening Ceremony	11/05/2012	Mainz, Germany	Scientific Advisory Board Member: Robert McKeown	8	8



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TESLA Technology Collaboration (TTC) Meeting	11/05/2012 - 11/08/2012	JLAB	Local Organizing Committee: Charles Reece  Speakers: Andrew Hutton, Fulvia Pilat, Yongming Li, Chen Xu, Feisi He, Haipeng Wang, Peter Kneisel, Ganapati Myneni  Convener and Speaker: Gianluigi Ciovati	154	46
Transverse Momentum Dependent Factorization with QCD Evolution, Ted Rogers, Stony Brook	11/05/2012	JLAB	Organizer: Theory Center	25	4
United States/China Delegation	11/05/2012 - 11/06/2012	Shenzhen, China	Annual U.S. Delegation to China: Hugh Montgomery	10 (from U.S.)	N/A
European XFEL	11/06/2012 - 11/11/2012	Hamburg, Germany	Machine Advisory Committee: John Mammosser	36	27
Virginia Association of Science Teachers (VAST) Professional Development	11/07/2012 - 11/10/2012	Williamsburg, VA	Organizing Committee: Jan Tyler	800	Community Event
Synchrotron Radiation Sources and Free-Electron Lasers - Research Tools of Extraordinary Versatility	11/12/2012	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
Nuclear Parton Distribution Functions, Karol Kovarik, Karlsruhe University, Germany	11/12/2012	JLAB	Organizer: Theory Center	25	4
Incontro Nazionale di Fisica Nucleare 2012 (INFN2012)	11/12/2012 - 11/14/2012	Catania, Italy	Organizing Committee: Patrizia Rossi	166	39



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Science Series: The Origin of Elements	11/13/2012	JLAB	Organizer: Christine Wheeler	180	Community Event
National Ignition Campaign Review	11/14/2012	San Francisco, CA	Reviewer: Robert McKeown	10	10
CTEQ Collaboration Meeting	11/15/2012 - 11/17/2012	JLAB	Chair: Alberto Accardi, Cynthia Keppel	23	17
The New DIS and Drell Yan: Single Top Quarks and W-Prime Bosons, Zack Sullivan, IL Institute of Technology, Chicago, IL	11/19/2012	JLAB	Organizer: Theory Center	25	4
Exact Calculation of Radiative Corrections in DVCS and SIDIS, Igor Akushevich, Duke University	11/26/2012	JLAB	Organizer: Theory Center	25	4
Virginia STEAM Academy: An Initiative for Growing the Commonwealth's Next Generation of Scientists, Engineers & Technology Professionals	11/26/2012	JLAB	Organizer: Debbie Magaldi	100	Community Event
Nucleon Resonance Structure From the CLAS Meson Electroproduction Data, Viktor Mokeev, Jefferson Lab	11/28/2012	JLAB	Organizer: Theory Center	25	4
International Science Policy Committee (ISPC) of the Kurchatov Institute	12/01/2012 - 12/04/2012	Moscow, Russia	International Advisory Board: Hugh Montgomery	10	10

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ANL DOE Review- Crab Cryo CD-2	12/03/2012 - 12/06/2012	Argonne, IL	Reviewers: John Mammosser, Robert Rimmer	26	5
ASAC Review at the Facility for Rare Isotope Beams	12/04/2012 - 12/06/2012	Ingham County, MI	Reviewers: Dana Arenius; Venkatarao Ganni	11	6
Meeting of the Program Advisory Committee for beam time allocation at the accelerators MAMI (Mainz) and ELSA (Bonn)	12/06/2012 - 12/07/2012	Mainz, Germany	Program Advisory Committee: Volker Burkert	8	8
Tracking and Analysis in the Lens* Paradigm	12/06/2012	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
Spectroscopy at 12 GeV: Working Together, Michael Pennington, JLab	12/10/2012	JLAB	Organizer: Theory Center; Hall B; Hall D	25	4
Hall A Collaboration Meeting	12/10/2012 - 12/12/2012	JLAB	Coordinating Committee Co-Organizers: Cynthia Keppel; Patricia Solvignon-Slifer	62	26
An Accelerator Lattice with Non-Linear Transverse Motion Integrable in Polar Coordinates	12/13/2012	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
The 2012 Higgs Factory Workshop, A Summary	12/20/2012	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
Towards Nuclear Reactions From Lattice QCD, Raul Briceno, Univ. WA	01/03/2013	JLAB	Organizer: Theory Center	25	4

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Nucleon Structure Near the Physical Pion Mass, Jeremy Green, MIT	01/04/2013	JLAB	Organizer: Theory Center	25	4
Daya Bay Collaboration	01/07/2013 - 01/12/2013	Beijing, China	Collaborator: Robert McKeown	17	17
Thomas Jefferson Lab Postdoctoral Position: Remote Talk, Lewis Tunstall, Univ. of Adelaide	01/09/2013	JLAB	Organizer: Theory Center	25	4
National Labs Chief Communication Officers	01/10/2013 - 01/11/2013	JLAB	Organizer: Dean Golembeski	17	17
Effective Field Theories in Nuclear and Hadron Physics, Vadim Lensky, Univ. of Manchester	01/11/2013	JLAB	Organizer: Theory Center	25	4
Sitting in the Interphase: Connecting Experiment and Theory in Nuclear and Hadronic Physics, Cesar Fernandez-Ramirez, Univ. of Madrid	01/11/2013	JLAB	Organizer: Theory Center	25	4
Cavity Design for Harmonic Superposition	01/17/2013	JLAB	Committee: Anne-Marie Valente; Alex Bogacz	20	5
Single- and Double-Spin Asymmetries in hard Scattering Processes, Daniel Pitonyak, Temple Univ.	01/17/2013	JLAB	Organizer: Theory Center	35	4
Amplitude Analysis for Hadron Spectroscopy, Vincent Mathieu, Univ. of Valencia	01/18/2013	JLAB	Organizer: Theory Center	25	4

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Near-Threshold Behavior of the Cross Section of $\gamma p \rightarrow \phi p$ and $\gamma d \rightarrow \phi p n$ : A Resonance Interpretation, Alvin Stanzas Kiswandhi, Indiana Univ.	01/18/2013	JLAB	Organizer: Theory Center	25	4
Non-perturbative Methods and Chiral Perturbation Theory Applied to Meson-Meson Interactions, Miguel Albaladejo, Univ. of Murcia	01/18/2013	JLAB	Organizer: Theory Center	25	4
SLAC Accelerator Directorate Engineering Services Review	01/22/2013 - 01/24/2013	SLAC	Reviewer: Will Oren	20	8
Renormalization and Power Counting of Chiral Nuclear Forces – A Summary, Bingwei Long, JLab	01/23/2013	JLAB	Organizer: Theory Center	25	4
BFKL Pomeron in the External Field of the Nucleus, Andrey Tarasov, St. Petersburg State Univ.	01/28/2013	JLAB	Organizer: Theory Center	25	4
Nuclear Science Advisory Committee	01/28/2013 - 01/29/2013	Bethesda, MD	Committee Member: Robert McKeown	35	30
Chiral Dynamics and Transverse Peripheral Densities, Carlos Granados, JLab	01/30/2013	JLAB	Organizer: Theory Center	25	4
Anatomy of Hadronic Parity Violation on the Lattice, Brian Tiburzi, City College of New York	01/31/2013	JLAB	Organizer: Theory Center	25	4

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A Sensitive Proton ECM Experiment in an All-Electric Storage Ring, Yannis Semsrtzidis, Brookhaven National Lab	02/01/2013	JLAB	Organizer: Physics Division	40	6
Virginia Regional High School Science Bowl	02/02/2013	JLAB	Organizer: Science Education	115	23 High Schools
Hadron Structure on the Lattice, Huey-Wen Lin, Univ. of Washington, Seattle	02/04/2013	JLAB	Organizer: Theory Center	25	4
Exploring Hadron Structure with Transverse Momentum Dependent (TMD) Factorization, Ted Rogers, Stony Brook University	02/06/2013	JLAB	Organizer: Theory Center	25	4
Fermilab Accelerator Advisory Committee Meeting	02/06/2013 - 02/08/2013	Kane County, IL	Chair: Andrew Hutton	10	7
INT Conference Nuclear Structure & Dynamics at Short Distances (INT-13-52W)	02/11/2013 - 02/22/2013	Seattle, WA	Organizing Committee: Rolf Ent	42	24
M <sub>n</sub> - M <sub>p</sub> , Andre Walker-Loud, LBL, Berkeley, CA	02/11/2013	JLAB	Organizer: Theory Center	25	4
Nuclear Science Advisory Committee	02/15/2013 - 02/16/2013	Washington, DC	Committee Member: Robert McKeown	35	30



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What Can We Learn From Hadronic and Radiative Decays of Light Mesons?, Bastian Kubis, Univ. of Bonn	02/18/2013	JLAB	Organizer: Theory Center	25	4
CLAS Collaboration	02/20/2013 - 02/23/2013	JLAB	Organizer: Volker Burkert	120	43
Advanced Topographic Characterization of Various Prepared Niobium Surfaces and Linkage to RF Losses	02/21/2013	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
International Committee for Future Accelerators (ICFA)	02/21/2013 - 02/22/2013	Vancouver, Canada	International Committee Member: Hugh Montgomery	37	37
Supersymmetry on the Lattice: Theory and Applications of N=4 Yang-Mills, Anosh Joseph, LANL, Albuquerque, NM	02/25/2013	JLAB	Organizer: Theory Center	25	4
SPX Preliminary Design Review	02/27/2013 - 03/01/2013	ANL	Invited Reviewer: Will Oren	22	5
Virginia Regional Middle School Science Bowl	03/02/2013	JLAB	Organizer: Science Education	90	18 Middle Schools
KEK-B Review	03/04/2013 - 03/06/2013	Tsukuba, Japan	Chair: Andrew Hutton Committee Member: Robert A. Rimmer	43	8
Science Series: Guesstimating	03/05/2013	JLAB	Organizer: Christine Wheeler	200	Community Event

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Carnegie Mellon University Physics Advisory Board	03/07/2013	Pittsburgh, PA	Physics Advisory Board: Robert McKeown	10	10
Nuclear Science Advisory Committee	03/08/2013 - 03/09/2013	Washington, DC	Committee Members: Robert McKeown; Patrizia Rossi	35	30
Three-Dimensional Nucleon Structure: Jefferson Lab 12 and Beyond, Alexei Prokudin, JLAB	03/11/2013	JLAB	Organizer: Theory Center	25	4
Construction and Commissioning Plan of the Compact ERL Injector at KEK	03/12/2013	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
Excited Hadrons From Data, Michael Doering, University of Bonn	03/13/2013	JLAB	Organizer: Theory Center	25	4
Studies of Resistive Wall Heating at JLab FEL	03/14/2013	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
Workshop to Explore Physics Opportunities with Intense, Polarized Electron Beams with Energy up to 300 MeV	03/14/2013 - 03/16/2013	Cambridge, MA	Organizing Committee: Roger Carlini (Co Chair), George Neil	93	30
Seminar: "Perspectives of IRON-FREE Detectors in High Energy Physics", Alexander Mikhailichenko, Cornell University	03/15/2013	JLAB	Organizer: Physics Division	35	3
Calcium Radius Experiment (CREX) Workshop	03/17/2013 - 03/19/2013	JLAB	Organizing Committee: Robert Michaels Session Chair: Robert Michaels	42	25
Resolving New Physics with Theoretical Study of QCD and Hadron Structure, Mikhail Gorshteyn, University of Mainz	03/18/2013	JLAB	Organizer: Theory Center	25	4

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Two-Photon Exchange Corrections to Elastic Electron-Proton Scattering at Large Momentum Transfer Within the SCET Approach, Nikolay Kivel, Helmholtz Inst., Mainz	03/20/2013	JLAB	Organizer: Theory Center	25	4
Methods for Computing the Stability and Chaotic Regions of Non-Linear Differential Equations with Periodic Coefficients	03/21/2013	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
Interference Radiative Corrections to the Proton's Weak Charge, Nathan Hall, University of Adelaide	03/25/2013	JLAB	Organizer: Theory Center	25	4
Twisted Photons and Photoexcitation of High Angular Momentum States, Carl Carlson, W&M	03/27/2013	JLAB	Organizer: Theory Center	25	4
Defects and Defect Interactions in Niobium	03/28/2013	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
STEM (Science, Technology, Engineering, and Mathematics) Summit	03/29/2013	JLAB	Organizer: Lisa Surles-Law	~300	Community Event
2nd International Conference on QCD and Hadron Physics	03/30/2013 - 04/03/2013	Lanzhou, China	International Advisory Committee: Jian Ping Chen	74	45
Evidence for BFKL and Saturation Dynamics in High Multiplicity Collisions at the LHC, Raju Venugopalan, BNL	04/01/2013	JLAB	Organizer: Theory Center	25	4

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Hottest Stuff on Earth: How It's Formed, What It's Made of, How It Flows, Raju Venugopalan, BNL	04/02/2013	JLAB	Organizer: Theory Center	25	4
Hottest Stuff on Earth: How It's Formed, What It's Made of, How It Flows, Raju Venugopalan, BNL	04/03/2013	JLAB	Organizer: Director's Office	50	8
Seminar: "Compton Edge Testing of the Light Speed Anisotropy/Lorentz" V. Gurzadyan Yerevan Physics Institute	04/03/2013	JLAB	Organizer: Physics Division	31	4
Thin-Film Projects in Collaboration with JLab: SRF, FEL and Photocathode Projects. The Specific Case of VO2 and the FEL Collaboration	04/04/2013	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
High Energy Accelerator Research Organization (KEK) Roadmap Review Committee Meeting	04/05/2013 - 04/06/2013	Tsukuba, Japan	Accelerator Chair: Andrew Hutton	35	17
Using Jet Substructure to Find Physics Signals at the LHC, Dave Soper, Univ. of Oregon	04/08/2013	JLAB	Organizer: Theory Center	25	4
5th Workshop of the APS Topical Group on Hadronic Physics (GHP April Meeting)	04/10/2013 - 04/12/2013	Denver CO.	Organizing Committee: Wally Melnitchouk Session Chairs: Stephan Stepanyan; David Gaskell	112	64

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GHP2013 - The Fifth Workshop of the APS Topical Group on Hadronic Physics	04/10/2013 - 04/12/2013	Denver, CO	Organizing Committee: W. Melnitchouk	107	61
BNL ARRA AIP Review	04/10/2013 - 04/13/2013	Suffolk, NY	Reviewer: Geoff Krafft	6	5
American Physical Society 2013 April Meeting	04/13/2013 - 04/16/2013	Denver, CO	Nominating Committee Chair: Fulvia Pilat	1310	NOT AVLB
Lattice Baryons in the 1/N Expansion, Tom DeGrand, Univ. of Colorado	04/15/2013	JLAB	Organizer: Theory Center	25	4
Night at JLab for Teachers of Science	04/17/2013	JLAB	Program Manager: Janet Tyler Organizer: Brita Hampton	~50	Community Event
Seminar: "Nuclear Effects in Semi-Inclusive Quasi-Elastic and Deep Inelastic Scattering of HE-3" Leonid Kaptari INFN & Bogoliubov Lab. Dubna, Russia	04/17/2013	JLAB	Organizer: Physics Division	41	6
Qweak Collaboration	04/18/2013 - 04/20/2013	JLAB	Organizing Committee: Roger Carlini Chair: Mark Pitt	45	17
XXI International Workshop on Deep-Inelastic Scattering and Related Subjects (DIS2013)	04/22/2013 - 04/26/2013	Marseille, FRA	Convener: Cynthia Keppel International Advisory Committee: Hugh Montgomery, Rolf Ent	330	193

# FY2013 Conferences, Meetings, Workshops

Conference, Meeting, Workshop, Seminar, Collaboration	Date	Location	Organizer, Chair, Etc.	# Participants	# Institutions
Recent Progress in Exploring the Spin Structure of the Nucleon	04/23/2013	JLAB	Organizer: Pat Stroop	~125	Community Event
DOE SC Review of the Energy Sciences Building Project	04/29/2013 - 05/01/2013	Chicago, IL	Reviewer: Paul Collins	N/A	N/A
Lattice Effective Field Theory for Nuclei, Dean Lee, Duke University	04/29/2013	JLAB	Organizer: Theory Center	25	4
Colloquium Fabiola Gianotti (spokesperson for the ATLAS collaboration)	04/30/2013	JLAB	Organizer: Director's Office	~75	Community Event
Science Series: The Higgs Boson and Our Life	04/30/2013	JLAB	Organizer: Steve Gagnon	270	Community Event
Designing, Prototyping and Testing of Superconducting RF-Dipole Deflecting/ Crabbing Cavities	05/02/2013	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
European XFEL	05/04/2013 - 05/08/2013	Hamburg, Germany	Machine Advisory Committee: John Mammosser	36	27
QCD Evolution Workshop	05/06/2013 - 05/10/2013	JLAB	Local Organizing Committee: Alexei Prokudin, Chair; Anatoly Radyushkin, Harut Avakian, Ian Balitsky  Speakers: Ian Balitsky, JP Chen, Carlos Granados, Pedro Jimenez-Delgado, Alexei Prokudin, Anatoly Radyushkin, Christian Weiss	73	39

# FY2013 Conferences, Meetings, Workshops

Conference, Meeting, Workshop, Seminar, Collaboration	Date	Location	Organizer, Chair, Etc.	# Participants	# Institutions
SNS Machine Advisory Committee at Oakridge National Lab	05/06/2013 - 05/09/2013	Oak Ridge, TN	Reviewer: Arne Freyberger	12	8
Preservation and Control of Ion Polarization in the MEIC Rings	05/09/2013	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
Seminar: "H and T Measurements at the ILC", John Hauptman Fermi Lab.	05/10/2013	JLAB	Organizer: Physics Division	49	5
NP SciDAC Collaboration	05/11/2013	JLAB	Organizer: David Richards	11	6
International Particle Accelerator Conference	05/12/2013 - 05/17/2013	Shanghai, China	International Organizing Committee / Scientific Programme Committee: Andrew Hutton JACOW Organizing Committee: Evelyn Akers, Anthony Cuffe Scientific Advisory Board: Geoff Krafft	1073	234
Finite-t and Target Mass Corrections in Deeply Virtual Compton Scattering, Vladimir Braun, Univ. of Regensburg	05/13/2013	JLAB	Organizer: Theory Center	25	4
Imaging Dynamical Chiral Symmetry Breaking, Craig Roberts, ANL	05/17/2013	JLAB	Organizer: Theory Center	25	4

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LightCone 2013 Workshop	05/20/2013 - 05/24/2013	Skiathos, Greece	Int. Scientific Advisory Board: W. Melnitchouk. Speakers: V D. Burkert, W. Melnitchouk, V. Mokeev, D.G. Richards, A. Calle Cordon	52	33
ATHOS 2013 (International Workshop on New Partial Wave Analysis Tools for Next Generation Hadron Spectroscopy Experiments)	05/21/2013 - 05/24/2013	Munich, Germany	International Organizer: Michael Pennington	57	25
SOLID Collaboration	05/23/2013 - 05/24/2013	JLAB	Organizer: Alexandre Camsonne	25	8
9th International Workshop on the Physics of Excited Nucleons (N*2013)	05/27/2013 - 05/30/2013	Valencia, Spain	International Advisory Committee: Volker Burkert	115	65
Hampton University Graduate Studies (HUGS)	05/28/2013 - 06/14/2013	JLAB	Organizers: Rolf Ent, Alberto Accardi, Alexei Prokudin, Tanya Stewart	37	27
User Group Meeting	05/29/2013 - 05/31/2013	JLAB	Organizing Committee: Lorelei Chopard	133	42



# FY2013 Conferences, Meetings, Workshops

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Microwave-based Undulator: A New Tool for Free Electron Lasers and Synchrotron Light Sources	05/30/2013	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
IUPAP WG9	05/31/2013 - 06/01/2013	Frascati, Italy	International Advisory Board: Hugh Montgomery	33	29
International Nuclear Physics Conference (INPC2013)	06/02/2013 - 06/07/2013	Firenze, Italy	International Advisory Committee: Rolf Ent, Hugh Montgomery Program Committee: Patrizia Rossi	708	43
GlueX Meeting	06/03/2013 - 06/05/2013	JLAB	Organizers: Elliott Wolin, Beni Zihlmann, Fernando Barbosa, Alex Somov, Mark Ito	42	16
Super Bigbite Collaboration (SBS)	06/04/2013 - 06/05/2013	JLAB	Local Organizers: Cynthia Keppel/ Bogdan Wojtsekhowski	23	8
Lehman Review at the Facility for Rare Isotope Beams	06/04/2013 - 06/06/2013	Ingham County, MI	Reviewer: Dana Arenius	21	8
R&D Committee for the Electron Ion Collider	06/04/2013 - 06/06/2013	Upton, NY	Reviewer: Glenn Young	NOT AVLB	NOT AVLB
HPS 2013	06/04/2013 - 06/08/2013	JLAB	Organizer/Chair: Stepan Stepanyan	34	15
Twelfth Workshop on Non-perturbative Quantum Chromodynamics	06/10/2013 - 06/13/2013	Paris, France	Organizer: K. Orginos	51	35

# FY2013 Conferences, Meetings, Workshops

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Twelfth Workshop on Non-perturbative Quantum Chromodynamics	06/10/2013 - 06/13/2013	Paris, France	Organizer: K. Orginos	51	35
COOL '13	06/10/2013 - 06/14/2013	Murren, Switzerland	Chair: Yaroslav Derbenev	81	26
Structure of Nucleon & Nuclei Workshop	06/10/2013 - 06/14/2013	Como Italy	Organizing Committee: Harut Avagyan	51	35
US Particle Accelerator School	06/10/2013 - 06/21/2013	Larimer County, CO	Instructor: Alex Bogacz, Geoff Krafft	185	78
"New Observations for High Momentum Distribution of Nucleons in Nuclei and their Implication for High-Density Nuclear Matter and EMC Effects", Misak Sargsian, FIU	06/12/2013	JLAB	Organizer: Physics Division	39	6
Baryons at Large Number of Colors, Victor Petrov, St. Petersburg Nucl. Phys. Inst.	06/14/2013	JLAB	Organizer: Theory Center	25	4
CLAS 12 3rd European Workshop	06/20/2013 - 06/22/2013	Glasgow, UK	Organizing Committee: Volker Burkert	69	33
International Conference on the Structure of Baryons (Baryons2013)	06/23/2013 - 06/29/2013	Glasgow, UK	International Organizer: Volker Burkert	149	73
Overview of Studies of Microbunching Instability	06/27/2013	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5

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Conference, Meeting, Workshop, Seminar, Collaboration	Date	Location	Organizer, Chair, Etc.	# Participants	# Institutions
Isospin Filter Workshop	06/29/2013 - 06/30/2013	JLAB	Organizer: Physics Division	49	5
QCD in the Nuclear Medium Workshop	06/30/2013 - 07/02/2013	Tel Aviv, ISRAEL	International Advisory Committee: Steve Wood	70	13
Fifth Workshop on Hadron Physics in China and Opportunities in the US	07/02/2013 - 07/06/2013	Huangshan City, CHINA	International Advisory Board: Hugh Montgomery; Robert McKeown International Advisory Committee: A. Prokudin Workshop Co-Chair: Jian-ping Chen	72	32
Lattice 2013	07/02/2013 - 07/06/2013	Mainz, Germany	Int. Advisory Committee: Kostas Orginos, Dru Renner	509	182
BNL Director's Review	07/15/2013 - 07/16/2013	BNL Upton, NY	Reviewer: Fulvia Pilat	7	4
APS Review in Chicago	07/17/2013 - 07/18/2013	Argonne, IL	Reviewer: Fulvia Pilat	10	9
S&T Review of Argonne Tandem Linac Accelerator System	07/30/2013 - 07/31/2013	Argonne, IL	Reviewer: Arne Freyberger	15	8
First Extraction of the Pretzelosity Function From Experimental Data, Christopher Lefky, Creighton University, Omaha, NE	08/02/2013	JLAB	Organizer: Theory Center	25	4

# FY2013 Conferences, Meetings, Workshops

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Hadron Mass Corrections in Polarized Semi-inclusive Deep Inelastic Scattering, Steven Casper, Carnegie Mellon University, Pittsburgh, PA	08/02/2013	JLAB	Organizer: Theory Center	25	4
Impact of Nucleon Off-Shell Corrections on Global PDF Analysis, Lucas Brady, Harvey Mudd College, Claremont, CA	08/02/2013	JLAB	Organizer: Theory Center	25	4
Nuclear Effects in Inelastic and Quasi-elastic Scattering From Light Nuclei, Jacob Ethier, Stetson University, DeLand, FL	08/02/2013	JLab	Organizer: Theory Center	25	4
Nuclear Effects in the Proton-Deuteron Drell-Yan Reaction, Peter Ehlers, University of Minnesota, MN	08/02/2013	JLAB	Organizer: Theory Center	25	4
Quark Transverse Momentum in Longitudinal Cross Sections, Daniel Koch, San Jose State University, San Jose, CA	08/02/2013	JLAB	Organizer: Theory Center	25	4
11th Int'l Topical Mtg on Nuclear App. Of Accelerators (AccApp 2013)	08/05/2013 - 08/08/2013	Bruges, Belgium	Technical Program Committee: Ganapati Myneni Topic Organizer: Andrew Hutton	174	28
Two-Photon Exchange Effects in Inclusive DIS, Marc Schlegel, University of Tuebingen, Germany	08/05/2013	JLAB	Organizer: Theory Center	25	4
Ion Beam Accumulation and Short Bunch Formation with Beam Cooling	08/08/2013	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5



# FY2013 Conferences, Meetings, Workshops

Conference, Meeting, Workshop, Seminar, Collaboration	Date	Location	Organizer, Chair, Etc.	# Participants	# Institutions
Turkish Accelerator and Radiation Laboratory in Ankara (TARLA)	08/15/2013	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
Seminar: "Mass Dependence and Scaling Properties of Nuclear Short-range Wim Cosyn, University of GhentCorrelations"	08/16/2013	JLAB	Organizer: Physics Division	47	6
International Workshop on Neutrino Factories, Super Beams and Beta Beams	08/19/2013 - 08/24/2013	Beijing, China	Scientific Program Committee: Alex Bogacz	149	82
Progress of HUST THz-FEL Oscillator	08/20/2013	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
Large Hadron Collider Physics Review Panel	08/26/2013 - 08/27/2013	Amsterdam, The Netherlands	International Panel Member: Hugh Montgomery	6	6
Oskar Klein Centre International Advisory Board	08/29/2013 - 08/30/2013	Stockholm, Sweden	International Advisory Board: Hugh Montgomery	6	6
Seminar: "Proton Spin Physics with STAR; Status & Prospects" Ernst Sichtermann, Lawrence Berkley Nat'l Lab.	08/30/2013	JLAB	Organizer: Physics Division	49	5
Parametric-Resonance Ionization Cooling for Muon Beams in the Twin Helix Channel	09/05/2013	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5

# FY2013 Conferences, Meetings, Workshops

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The 2013 International Workshop on Polarized Sources, Targets and Polarimetry	09/09/2013 - 09/13/2013	Charlottesville, VA	Local Organizing Committee Co-Chair / International Spin Physics Committee: Matt Poelker  Local Organizing Committee: Yaroslav Derbenev	75	39
Applications of Modern Computational Tools in Accelerator Physics	09/12/2013	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
ASTA: The Facility, Development Plan and R&D Opportunities	09/19/2013	JLAB	Committee: Anne-Marie Valente, Alex Bogacz	20	5
16th International Conference on RF Superconductivity	09/23/2013 - 09/27/2013	Paris, France	International Program Committee: Jean Delayen, Charlie Reece	~250	~40
7th International Workshop on Pion-Nucleon Partial Wave Analysis and the Interpretation of Baryon Resonances (PWA7)	09/23/2013 - 09/27/2013	Camogli (Genova), Italy	Local Organizing Committee: M. R. Pennington.  International Advisory Committee: R. G. Edwards, V. Burkert	45	25
North American Particle Accelerator Conference 2013 (NAPAC 2013)	09/29/2013 - 10/04/2013	Pasadena, CA	Scientific Secretariat: Todd Satogata  Organizing Committee: Andrew Hutton  Scientific Program Committee: Fulvia Pilat, Arne Freyberger, Yuhong Zhang  JACOW Organizing Committee: Evelyn Akers, Anthony Cuffe	461	138