

Division of Nuclear Physics

The American Physical Society

Newsletter No. 191 February 2017

TO: Members of the Division of Nuclear Physics, APS

FROM: Benjamin F. Gibson, LANL - Secretary-Treasurer, DNP

Future Deadlines



- 1 March 2017 Mentoring Award Nominations
- 1 March 2017 Distinguished Service Award Nominations
- 1 May 2017 DNP Nominations for APS Fellow

The home page for the Division of Nuclear Physics is now available at "http://dnp.aps.org." Information of interest to DNP members --current research topics, deadlines for meetings, prize nominations, forms, and useful links are provided. Each DNP Newsletter is posted online, along with the copy sent via post. Comments and suggestions are solicited. Please send them to Jorge Piekarewicz <jpiekarewicz@fsu.edu>

1. RESULTS OF ELECTION: OFFICERS AND EXECUTIVE COMMITTEE FOR 2017

By the deadline date of midnight of 23 January 2017, 683 web ballots or properly executed paper ballots were cast in the 2016 election of officers and members of the Executive Committee. The results of the election are as follows: Robert Janssens was elected as Vice Chair and Benjamin Gibson was elected as Secretary Treasurer for one-year terms. John Arrington, Rebecca Surman, and Remco Zegers were elected to two-year terms on the Executive Committee. The members of the 2017 Executive Committee, who assumed their duties at the close of the Business Meeting held during the APS April Meeting, 28-31 January 2017, in Washington, DC. are:

Michael Thoennessen, Michigan State Univ., Chair (2017)
David J. Dean, ORNL, Chair-Elect (2017)
Robert V. F. Janssens, ANL, Vice-Chair (2017)
Gordon D. Cates, Univ. of Virginia, Past-Chair (2016)
Benjamin F. Gibson, LANL, Sec.-Trea. (2017)
A. Baha Balentekin, Univ. of Wisconsin (2018)
John R. Arrington, ANL, (2018)
Gail E. Dodge, Old Dominion Univ., (2017)
Jorge Piekarewicz, Florida State Univ. (2017)
Rebecca Surman, Notre Dame, (2018)
Raju Venugopalan, BNL (2017)
Remco G. T. Zegers, Michigan State Univ., (2018)

The DNP wishes to thank each of the members who agreed to stand for election. The DNP depends entirely on volunteers to carry out the business of the Division.

2. CALL FOR DNP COMMITTEE SUGGESTIONS

The terms of some of the members of the following DNP committees have expired: Fellowship, Nominating, Home Page, Education, and Mentoring. Suggestions from the DNP membership for new members of these committees as well as the APS Bethe, Bonner, and Feshbach Prize Committees and the Nuclear Physics Dissertation Award Committee are welcome and should be sent to Michael Thoennessen. A list of committee members for 2017/18 will be published in the August newsletter.

3. NSAC NEWS

No Nuclear Science Advisory Committee (NSAC) is currently scheduled. The URL at which one can find a list of the NSAC members:

http://science.energy.gov/np/nsac/members/.

More generally one can visit the NSAC website http://science.energy.gov/np/nsac/

to learn about recent meetings and to register to watch the NSAC meetings via webcast.

4. NEW DNP FELLOWS

The following DNP members are newly elected (2016) Fellows of the APS. Please join us in offering congratulations.

Beers, Timothy C., University of Notre Dame
Bernstein, Adam, Lawrence Livermore National Laboratory
David, Gabor, Stony Brook University
Detmold, William, Massachusetts Institute of Technology
Drees, Axel, State University of New York – Stony Brook
Frekers, Dieter, Universität Münster
Grzywacz, Robert, University Tennessee, Knoxville
Jalilian-Marian, Jamal, CUNY – Baruch College
Leviatan, Amiram, Hebrew University of Jerusalem
Londergan, J. Timothy, Indiana University Bloomington
Piepke, Andreas, University of Alabama
Rawitscher, George H., University of Connecticut
Surman, Rebecca A., University of Notre Dame
Wuosmaa, Alan, University of Connecticut
Yates, Steven W., University of Kentucky

- Call for Fellows Nominations
- APR17 in Washington, DC
- DNP17 in Pittsburgh, PA



5. NOMINATIONS FOR APS FELLOWSHIP

The procedure for the election of a Member to Fellowship is outlined in the Membership Directory of the APS under "Constitution and Bylaws," or can be found under Fellowships on the APS Home Page. Only web nominations are accepted. The total number of members who may be elected to Fellowship in a given year is one half of one percent of the total APS membership.

The DNP deadline is 1 May. Nomination instructions can be found on the APS home page (http://www.aps.org); link to "Fellowships" under the heading "Programs".

The 2017 DNP Fellowship Committee is comprised of John Wilkerson (Chair), Jeff Nico, Abhay Deshpande, Filomena Nunes, and Volker Koch. The Fellowship Committee reviews the nominations for APS Fellowship referred to the DNP and recommends a slate of candidates, which is forwarded to the APS Fellowship Committee and then to APS Council for Approval. Nominations are active for two years. It is important for nominators to ensure that the cases that they prepare for the Fellowship Committee are well documented. In addition to that requested on the nomination form, information such as lists of invited talks, awards, professional activities, committee service, and participation in organization of conferences is very helpful. Inclusion of a complete publication list is highly recommended.

The DNP has adopted the following Fellowship Criteria Guidelines. To be chosen as a Fellow, an APS member should have a record of excellence in research that has been sustained over several years, and have completed at least one major, original work that has influenced his/her specialty in a significant way. The APS requires membership for at least the prior year.

The list of APS Fellows elected in a given year appears on the APS Home Page in December and is published in the March issue of APS News. The names of newly elected DNP Fellows are published in the February Newsletter and the awards are presented at the DNP Business Meeting held during the APS April Meeting.

6. APS MEETING IN WASHINGTON, DC, 28-31 JANUARY

To accommodate the wishes expressed by a number of APS members who attend the April Meeting to meet again in Washington, DC, the APS held the April Meeting in January, following the inauguration in order to secure cheaper sleeping room rates. The meeting was held at the Marriott Warden Park Hotel, just off Connecticut Ave. near the National Zoo. The meeting brought together hundreds of physicists (1600 had preregistered prior to the meeting) to present the latest research in astrophysics, gravitational physics, nuclear physics, particle physics, etc. A total of some 20 APS units participated in the meeting.

The April Meeting program was again highlighted by three plenary sessions. The meeting opened with a plenary devoted to science policy: Cherry Murray, Rush Holt, Jr., and Bill Foster. The Kavli Keynote plenary on Monday was entitled "From Quarks to the Cosmos": Barbara Jacak, Cora Dworkin, and Sylvester Gates. The Tuesday plenary was focused on Black Holes: Laura Cadonari, Chung-Pei Mu, and Raohael Bousso. The DNP Awards session on Tuesday featured the Pipkken Award winner, Jens Dilling (TRIUMF), the Bonner Prize winner, Charles Perdrisat (College of William & Mary), and the Feshbach Prize winner, Joseph Carlson (Los Alamos National Laboratory).

7. DNP APRIL 2017 MEETING PROGRAM

The DNP Program Committee, under the directions of Program Chair Michael Thoennessen, put together a collection of stand alone and joint sessions, which were felt to be attractive to DNP participants anticipate at April 2017:

- Electromagnetic Signatures of Neutron Star Mergers (Joint with DAP, Dgrav)
- Applications of Accelerators and Nuclear Physics (Joint with DPB)
- Isotope Production and Accelerator Technology (Joint with DPB)
- Recent Physics off Weakly Bound Nuclear Systems
- Nuclear Physics Careers Off the Beaten Path (Joint with FGSA)
- Focus SN 1987A: 30 Years Later (Joint with DAP)
- Hadron Spectroscopy (Joint with GHP)
- Manhattan Project Scientific Legacy (Joint with FHP)
- The Social Legacy of the Manhattan Project (Joint with FPS, FHP)
- Neutron Skins, Hypernuclei, and Neutron Stars (Joint with DAP)
- The Manhattan Project: History and Heritage (Joint with FHP)
- The Future of the Nucleon-Nucleon Interaction (Joint with GFB)
- Neutrino Cross Sections from eV to TeV (Joint with DPF)
- Neutrino detection Challenges in Nuclear Physics (Joint with DPF, GFB)
- DNP Prize Session

Contributed abstracts for the DNP component of the meeting were arranged into coherent sessions by volunteers from the Program Committee under the direction of Michael Thoennessen.

8. FUTURE APS SPRING MEETING INFORMATION

2018	April 14-17	Columbus, OH
2019	Mar 4-8	Boston, MA
		(Mar/Apr Mtg.)

Any comments/suggestions should be sent to APS Director of Meetings, Terri Olsen (olsen@aps.org).

9. DNP 2017 FALL MEETING IN PITTSBURGH, PA 25-28 OCTOBER 2017, Reinhard Schumacher

The Annual Fall Meeting of the Division of Nuclear Physics of the American Physical Society will be held in Pittsburgh, PA, 25-28 October. The meeting will run from Wednesday through noon on Saturday. Topical workshops will be held on Wednesday morning, flooded by the opening plenary session on Thursday afternoon, starting at 3:00 p.m. A reception will be held starting immediately following the plenary session. Parallel scientific sessions — invited speaker sessions, mini-symposia, and contributed pair sessions — will be held Thursday and Friday morning and afternoon as well as on Saturday morning. The CEU poster session as well as the Physical Review Meet-the-Editors Drop-In reception will be scheduled in the early afternoon time slot on

Thursday. The Business/Town Meeting will be Friday afternoon in the late time slot.

The meeting will be held in the Pittsburgh Marriott City Center. The nearby Double Tree property will serve as the overflow hotel. All functions will be in the Marriott. Pittsburgh is the second largest city in Pennsylvania. It is located at the confluence of three rivers: the Monongahela, the Allegheny, and the Ohio. The Marriott is 35 minutes from the PIT airport. It is a short 10-15 minute walk to many wonderful off-site restaurants. The Local Organizing Committee is chaired by Reinhard Schumacher, with other members coming from several Pittsburgh universities: Colin Morningstar (CMU), Gregg Franklin (CMU), Curtis Meyer (CMU), Brian Quinn (CMU), Eric Swanson (U. Pittsburgh), Fatiha Beenmokhtar (Duquesne U), and Michael McCracken (Washington & Jefferson).

Please find a poster enclosed with this newsletter. Additional details about the meeting will appear in the May newsletter.

10. FUTURE DNP FALL MEETINGS

2018 Oct 23 – 27 Waikaloa, HI

The dates include the premeeting workshops, which are normally held in conjunction with the DNP Fall Meetings. Holding workshops at the DNP Fall Meetings is a tradition that began with the 1986 Vancouver meeting. All meeting attendees are welcome and encouraged to come. It has been the intention of the DNP Executive Committees that these "workshops" should have broad appeal, with introductory pedagogical talks for the benefit of those who have come primarily for the DNP meeting but want to take the opportunity to learn about a field of specialty of the local community.

11. PHYSICAL REVIEW NEWS, C. Wesselborg

Five new "Physical Review C" Editorial Board members were appointed to three-year terms beginning 1 January 2017 by the APS Editor-in-Chief, Pierre Mystre:

Simonetta Liuti Univ. of Virginia James Napolitano Temple Univ.

David Radford Oak Ridge National Lab

Achim Schwenk TU-Darmstadt Susumu Shimoura Univ. Tokyo

On behalf of the nuclear physics community, the PRC editors thank the departing Editorial Board members for their service: W. Bentz, H. Gao, M. Hjorth-Jensen, M. Pennington, and M. Riley.

12. CEU ROSTER FROM DNP 2016 (VANCOUVER), Shelley Lesher

The 2016 CEU program held in conjunction with DNP 2016 in Vancouver, BC, was highly successful. There were 163 students participating in the program, a roster of which is included as an insert with this newsletter.

The goal of the CEU program is to provide a valuable conference experience for undergraduate students, who have conducted research in nuclear physics, by providing them an opportunity to present their research to the larger professional community and to one another in the CEU poster session. Additionally, the CEU program enables participating students to converse with faculty and senior scientists from graduate institutions about graduate school opportunities. All conference attendees were encouraged to visit the CEU poster session. Additional CEU activities included nuclear physics seminars presented by Heather Crawford (LBNL) and Kate Scholberg (Duke) as well as a tutorial about applying to graduate school and a graduate school information fair. A CEU student social was offered by the DNP.

The CEU program was sponsored by the National Science Foundation, the Department of Energy Office of Science (through the national laboratories), TRIUMF, and the Division of Nuclear Physics.

13. STUART JAY FREEDMAN AWARD, John Wilkerson

The APS has approved the "Stuart Jay Freedman Award in Experimental Nuclear Physics." The proposed award has been shepherded through the APS (Honors Committee and Council) approval process by the DNP committee chaired by Michael J. Ramsay-Musolf with members A Baha Balantekin, Zheng-Tian Lu, Robert D. McKeown, and James J. Napolitano. We are also indebted to Wick C. Haxton for sage advice regarding APS process.

Formal fund raising to support an annual monetary award of \$3000 (or more) will begin shortly. The fund-raising goal to fully endow the award is of the order of \$100,000. Pledged support includes a gift from Joyce Freedman of \$25,000.

14. FUTURE CONFERENCES

Organizers of future conferences should contact the DNP Secretary-Treasurer if they wish their conferences listed in DNP newsletters.

"Workshop on RPA and Beyond"

2-4 May 2017

Paris, Jussieu Campus Contact: Nathalie Pillet Email: rpa17@lct.jussieu.fr

"Third International Conference on Advances in Radioactive Isotope Science (ARIS 2017)"

Keystone, CO, 28 May - 2 June, 2017

Contacts: Alexandra Gade and Adam Garnsworthy

URL: https://indico.fnal.gov/conferenceDisplay.py?confId=11150

"Gordon Research Conference on Nuclear Chemistry"

18-23 June 2017

Colby Sawyer College, New London, NH USA

Chair: Michael Carpenter Email: carpenter@anl.gov

URL: https://www.grc.org/programs.aspx?id=11764

"Seventh Asia-Pacific Few-Body Conference on Problems in Physics (APFB-2017)"

25-29 August 2017 Guilin, China Contact: Qiang Zhao

Email: zhaoq@ihep.ac.cn

URL: http://indico.ihep.ac.cn/event/6581/

"13th International Conference on Hypernuclear and Strange Particle Physics (HYP 2018)"

24-29 June2018 Norfolk, VA

Contact: Liguang Tang Email: tangl@jlab.org

URL: https://www.jlab.org/conferences/hyp2018

"Conference on Application of Accelerators in Research and Industry (CAARI 2018)"

12-17 August 2018

Grapevine, Texas (Gaylord Texan)

Contact: Carley Parriott, Email: cparriott@sandia.gov

MICHAEL THOENNESSEN Chair

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BENJAMIN F. GIBSON Secretary-Treasurer

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Last, First	Home Inst	Research Inst	Advisor
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Ajamian, John	Montgomery College	Johannes Gutenburg Univ., Mainz	Evangeline Downie
Amarasinghe, Chamindu	Valparaiso Univ.	Valparaiso Univ.	Shirvel Stanislaus
Anderson, Melissa		Univ. of Winnipeg, Canada	Jeff Martin / Russell Mammei
Anthony, Adam	Juniata College		Mohammad W. Ahmed
Ashworth, Jesse	Univ. of Washington, Seattle	Thomas Jefferson Nat. Accelerator	Wally MeInitchouk / Peter Blunden
Atencio, Ariella	Rutgers Univ.	Oak Ridge Nat. Lab	Jolie Cizewski / Michael Febbraro
Balsamo, Alexander	Univ. of Richmond	Univ. of Richmond	Gerard P. Gilfoyle
Bass, Kevin	Univ. of Tennessee, Knoxville	Oak Ridge Nat. Lab	Nadia Fomin
Bilek, Ryan	Texas A&M Univ.	Texas A&M - Cyclotron Institute	Ania Kwiatkowski
Bohorquez, Juan	Univ. of Miami	Univ. of Illinois at Urbana-Champaign	Matthias Grosse Perdekamp
Bouman, Nathaniel	Valparaiso Univ.	Los Alamos Nat. Lab	Shirvel Stanislaus / Wanchun Wei
Bownes, Emma	Muhlenberg College	Brookhaven Nat. Lab	Brett Fadem
Brakman, David	Univ. of Richmond	Thomas Jefferson Nat. Accelerator	Gerard P. Gilfoyle / Chris Cuevas
Bruner, Jesse	Univ. of Florida	Univ. of Florida	James Baciak
Buchanan, Emily	Tennessee Technological Univ.	Los Alamos Nat. Lab	Mary Kidd
Butler, Julie	Erskine College	Thomas Jefferson Nat. Accelerator	David Armstrong / Wouter Deconinck
Bykadorova, Arina	Yale Univ.	Yale Univ.	Karsten Heeger
Byrd, Reuben	Abilene Christian Univ.	Fermilab	Michael Daugherity / Donald Isenhower
Byrd, Stephen	Univ. of Dallas	Univ. of Kentucky	Sally Hicks
Cai, Tianji	Duke Univ.	Duke Univ.	Steffen A. Bass
Camras, Emily	Univ. of Michigan	Brookhaven Nat. Lab	Christine Aidala
Carls, Alexander	Tennessee Technological Univ.	Tennessee Technological Univ.	Mustafa Rajabali
Carstens, Paul	Abilene Christian Univ.	Fermilab	Michael Daugherity
Carzon, Patrick	Lawrence Technological Univ.	Wayne State Univ.	Sean Gavin / George Moschelli
Chamberlain, Matthew	Univ. of Notre Dame	Univ. of Notre Dame (ISNAP)	Anna Simon
Chavarria, Israel	Univ. of Texas at El Paso	Univ. of Texas at El Paso	Jorge Lopez
Chinn, Edward	Univ. of Maryland, College Park	Johannes Gutenburg Univ., Mainz	Evangaline Downie / Michaela Thiel
Choi, Jin Ha	North Carolina State Univ.	North Carolina State Univ.	Albert Young
Daniel, Byron	Yale Univ.	Yale Univ.	Reina Maruyama
Davies, Peter	Univeristy of Surrey, United Kingdd Thomas Jefferson Nat.	Thomas Jefferson Nat. Accelerator	Gerard P. Gilfoyle
Davis, Caleb	Tennessee Technological Univ.	Los Alamos Nat. Lab	Adam Holley
Davis, Harrison	Univ. of Illinois at Urbana-Champai	Univ. of Illinois at Urbana-Champaign	Anne Sickles
DeArmitt, Damien	Tennessee Technological Univ.	Tennessee Technological Univ.	Adam Holley
Deeter, Daniel	Drake Univ.	Drake Univ.	Athanasios Petridis
DePorzio, Nicholas	Northeastern Univ.	Massachusetts Institute of Technology	Lindley Winslow / Darien Wood
Dutta, Suryabrata	Yale Univ.	Laboratori Nazionali del Gran Sasso	Reina Maruyama
Engelhardt, Aaron	Tennessee Technological Univ.	Tennessee Technological Univ.	Mustafa Rajabali

Last, First	Home Inst	Research Inst	Advisor
Fellers, Dion	Univ. of Colorado at Boulder	Los Alamos Nat. Lab	Mark Makela
Fish, Aaron	Seattle Univ.	Seattle Univ.	Mary Alberg
Flores, Abraham	Michigan State Univ.	Univ. of Notre Dame	Mark A. Caprio
Fogler, Caleb	Old Dominion Univ.	Thomas Jefferson Nat. Accelerator	Jian-Ping Chen
Foster, Matt	Univ. of Surrey, United Kingdom	TRIUMF	Iris Dillmann
Fu, Zhenghao	Univ. of Washington	Univ. of Washington (CENPA)	Jason Detwiler
Garland, Heather	Gettysburg College	Oak Ridge Nat. Lab	Jolie Cizewski
Garrity, April	Francis Marion Univ.	Louisiana State Univ.	J. C. Blackmon / C. M. Diebel
Gass, Emily	SUNY Stony Brook Univ.	Brookhaven Nat. Lab	E. A. McCutchan
Given, Gabriel	Haverford College	Michigan State Univ. (NSCL)	Kei Minamisono
Golden, Matthew	Ohio Northern Univ.	Texas A&M - Cyclotron Institute	Shalom Shlomo / Giacomo Bonasera
Goodwill, Justin	Duquesne Univ.	Thomas Jefferson Nat. Accelerator	Fatiha Benmokhtar
Gorman, Waverly	New Mexico State Univ.	New Mexico State Univ.	Matthias Burkardt
Griggs, Dannie	George C. Marshall High School	Catholic Univ. of America	Tanja Horn
Gutierrez, Joseph	Gonzaga Univ.	Gonzaga Univ.	Adam Fritsch
Hackett, Brennan	Univeristy of Surrey, United Kingdo	United KingdoOak Ridge Nat. Lab	Alfrdo Galino-Uribarri
Hardy, Benjamin	Bowling Green State Univ.	Thomas Jefferson Nat. Accelerator	Joseph Grames
Heinz, Matthias	The Ohio State Univ.	The Ohio State Univ.	Richard J. Furnstahl
Hicks, Caleb	Abilene Christian Univ.	Fermilab	Michael Daugherity
Higdon, Michael	Univ. of Illinois at Urbana-Champai	Univ. of Illinois at Urbana-Champaign	Anne Sickles
Hobson, Chad	Lynchburg College	Triangle Univ. Nuclear Lab	Calvin Howell / Werner Tornow
Hoffman, Keegan	Tennessee Technological Univ.	Tennessee Technological Univ.	Adam Holley
Huang, Yiwen	UCLA	Brookhaven Nat. Lab	Huan Huang
Hudson, Emily	Swarthmore College	Texas A&M - Cyclotron Institute	Grigory Rogachev
Hughes, Carter	Univ. of Wisconsin La Crosse	Univ. of Notre Dame (ISNAP)	Ani Aprahamian / Shelly Lesher
Huneau, Jake	Michigan State Univ.	Michigan State Univ. (NSCL)	Jaideep Singh
Ivanov, Juliet	Georgetown Univ.	NIST Center for Neutron Research	Nadia Fomin
Jacobs, Andrew	Benedictine College	Thomas Jefferson Nat. Accelerator	Hiapeng Wang
Jacobson, Theodore	Macalester College	Macalester College	Sean Bartz
Jarvis, Leah	Ursinus College	Michigan State Univ. (NSCL)	Lew Riley
Jensen, Louis	Univ. of Notre Dame	Univ. of Notre Dame (ISNAP)	Tan Ahn
Johnston, Bobby	Univ. of Massachusetts, Amherst	Thomas Jefferson Nat. Accelerator	Rory Miskimen / Elton Smith
Kaemingk, Michael	New Mexico State Univ.	Indiana Univ - Cyclotron Facility	Robert L. Cooper
Kamp, Nicholas	Univ. of Michigan	Univ. of Michigan	Christine Aidala
Kelmar, Rebeka	Union College	Thomas Jefferson Nat. Accelerator	Balsa Terzic
Kim, Taegyun	Valparaiso Univ.	Brookhaven Nat. Lab	Adam Gibson-Even
Kimball, Matthew	Abilene Christian Univ.	Brookhaven Nat. Lab	Rusty Towell / Mickey Chiu
Klassen, Wolfgang	Univ. of Manitoba, Canada	Univ. of Manitoba, Canada	Michael Gericke / Russel Mammei

Last, First	Home Inst	Research Inst	Advisor
Kooi, Kyler	Univ. of South Dakota	Univ. of South Dakota	Gang Yang / Dongming Mei
Kulkarni, Anita	California Institute of Technology	California Institute of Technology	Bradley Filippone
LaDuke, Alison	Univ. of Idaho	Univ. of Idaho	Francesca Sammarruca
	Florida International Univ.	Michigan State Univ. (NSCL)	Georg Bollen / Ryan Ringle
Lawrence, Liam	McMaster Univ., Canada	TRIUMF	John Behr
LeBlanc, Ricky	Louisiana State Univ.	Univ. of Notre Dame (ISNAP)	Daniel Bardayan
Lefcochilos-Fogelquist,	Georgetown Univ.	Institute for Nuclear Physics, Johannes Guten	Evageline Downie / Christina Collicott
Lendacky, Andrew	Duquesne Univ.	Thomas Jefferson Nat. Accelerator	Fatiha Benmokhtar
Li, Fangchen	Gettysburg College	Gettysburg College	Bret Crawford
Lilleskov, Elias	Macalester College	Indiana Univ.	Jinfeng Liao
Lin, Wan		Paul Scherrer Institute (PSI)	Ronald Gilman
Lumb, Rowan	chnological Univ.	Los Alamos Nat. Lab	Adam Holley
Lunde, Dominic	California Lutheran Univ.	Thomas Jefferson Nat. Accelerator	Wouter Deconinck
Ma, Puyang	Mount Holyoke College	Univ. of Michigan / Fermilab	Christine Aidala
Mangan, Tymothy	Oregon State Univ.	Los Alamos Nat. Lab	Jeremy Danielson / Dana Duke
Marble, Kassie	Tarleton	Texas A&M - Cyclotron Institute	Dan Melconian / Praveen Shidling
Martinez, Benjamin	Regis Univ.	SLAC National Accelerator Laboratory / Ferr	Frederick Gray
Martinez, Joshua	Abilene Christian Univ.	Fermilab	Michael Daugherity / Donald Isenhower
Mazza, Maria	Gettysburg College	Michigan State Univ. (NSCL)	Sharon Stephenson
Murphy, Jake	Univ. of North Carolina at Chapel H	Triangle Univ. Nuclear Lab	Reyco Henning
Musangu, Brooks	Furman Univ.	Vanderbilt Univ.	Joseph H. Hamilton / Akunuri V. Ramayya
Nance, John	Univ. of North Carolina at Chapel H	Univ. of North Carolina at Chapel Hill	John Wilkerson
Natzke, Connor	Colorado School of Mines	Colorado School of Mines	Kyle Leach
Nowak, Gabriel	Oregon State Univ.	Thomas Jefferson Nat. Accelerator	Bogdan Wojtsekhowski
Ochsendorf, Marcus	Valparaiso Univ.	Valparaiso Univ.	Shirvel Stanislaus
Parzuchowski, Kristen	Michigan State Univ.	Michigan State Univ. (NSCL)	Jaideep Singh
Peters, Evan	Oregon State Univ.	Oregon State Univ.	Heidi Schellman
Ploen, Christine	Univ. of Connecticut	Thomas Jefferson Nat. Accelerator	Latifa Elouadrhiri / Kyungseon Joo
Plotnick, David	The George Washington Univ.	Johannes Gutenburg Univ., Mainz	Evageline Downie / Christina Collicott
Plumley, Rajan	Washington & Jefferson College	Washington & Jefferson College	Michael McCraken
Porter, William	Univ. of Notre Dame	Univ. of Notre Dame (ISNAP)	Ani Aprahamian
Powell, Calvin	Chicago State Univ.	CERN	Emundo Garcia / Austin Harton
Press, Carly	Muhlenberg College	Brookhaven Nat. Lab	Brett Fadem
Puentes, Daniel	Florida International Univ.	Michigan State Univ. (NSCL)	Sean Liddick
Pybus, Jackson	Texas A&M Univ.	Texas A&M - Cyclotron Institute	Carl Gagliardi
Raddell, Mark	Univ. of Notre Dame	Univ. of Notre Dame	Ani Aprahamian / Khatchatur Manukyan
Ramirez Martin, Sergio	Transylvania Univ.	Univ. of Notre Dame (ISNAP)	Tan Ahn
Rapp, Rebecca	Washington & Jefferson College	Washington & Jefferson College	Michael McCraken

Leonard Gamberg / Alexei Prokudin	Penn State University Berks	Penn State Univ. Berks	Warmate, Tamuno-negry Penn State Univ.
Evangeline Downie / Michaela Thiel	Johannes Gutenburg Univ., Mainz		Waldron, Zachary
Tanja Horn	Catholic Univ. of America	George C. Marshall High School	Wacht, Jacob
Krzysztof Starosta	Simon Fraser Univ., Canada	Simon Fraser Univ., Canada	Verma, Anish
James Nagle	Univ. of Colorado at Boulder	Univ. of Colorado at Boulder	Vazquez-Carson, Sebasti
John Kelley	Triangle Univ. Nuclear Lab	Lenoir-Rhyne Univ.	Truong, Thinh
Russel Neilson / Michelle Dolinski	Drexel Univ.	Drexel Univ.	Trinh, Cuong (Ken)
Cody Folden	Texas A&M - Cyclotron Institute	Eastern Kentucky Univ.	Tran, Kate
Mike Youngs / Alan McIntosh	Texas A&M - Cyclotron Institute	Stephen F. Austin State Univ.	Townsend, Austin
Rusty Towell	Brookhaven Nat. Lab	Abilene Christian Univ.	Towell, Cecily
Gil Paz	Wayne State Univ.	Wayne State Univ.	Tockstein, Jameson
Joseph Hamilton / Akunuri Ramayya	Vanderbilt Univ.	Vanderbilt Univ.	Thibeault, Andrew
Christine Aidala	Univ. of Michigan	Lock Haven Univ.	Tanner, Meghan
Betty Tsang	Michigan State Univ. (NSCL)	Chinese Univ. of Hong Kong	Tang, Jiashen
Rusty Towell / Mickey Chiu	Brookhaven Nat. Lab	Abilene Christian Univ.	Stien, Haley
Lew Riley	Ursinus College / Michigan State Univ. (NSC		Stine, Chase
Anna Simon	Univ. of Notre Dame (ISNAP)	Univ. of Mary Washington	Sprowal, Zaire
Megha Bhike / Krishichayan	Triangle Univ. Nuclear Lab	Drew Univ.	Soter, Jennifer
Huan Huang / Verena Martinez Outschoorn	Brookhaven Nat. Lab	Univ. of Illinois at Urbana-Champa Brookhaven Nat. Lab	Smith, Rachel
Reyco Henning	Univ. of North Carolina at Chapel HUniv. of North Carolina at Chapel Hill	Univ. of North Carolina at Chapel H	Smith, Andrew
Brett Fadem	Brookhaven Nat. Lab	Muhlenberg College	Silva, James
Mark Messier	Indiana Univ.	Louisiana State Univ.	Shows III, Harvey
Gerard P. Gilfoyle	Univ. of Richmond	Univ. of Richmond	Sherman, Keegan
Yury Kolomensky	Univ. of California, Berkeley	Univ. of California, Berkeley	Sheff, Benjamin
Mustafa Rajabali	Tennessee Technological Univ.	Tennessee Technological Univ.	Shadrick, Steven
Christopher Bass	Le Moyne College	Le Moyne College	Schmitz, Melissa
Jing Liu	Univ. of South Dakota	Univ. of South Dakota	Saunders, Nathan
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Daniel Bowring / Andrew Sonnenschein	Fermilab	Univ. of North Carolina at Chapel H	Salemi, Chiara
Janet Seger	Brookhaven Nat. Lab	Creighton Univ.	Ruiz, Samuel
Tanja Horn	Catholic Univ. of America	Marshall High School	Roustom, Salim
Michael Cherney	Creighton Univ.	Creighton Univ.	Roth, Jordan
Volker Crede	Thomas Jefferson Nat. Accelerator	Florida State Univ.	Romines, Kyle
Kate Scholberg	Triangle Univ. Nuclear Lab	Univ. of Oklahoma	Roeth, Alison
Jeremy Holt	Texas A&M - Cyclotron Institute	Rensselaer Polytechnic Institute	Rockcliffe, Keighley
Emilie Passemar	Indiana Univ - Cyclotron Facility	Lawrence Univ.	Ristow, Clayton
Mary Alberg	Seattle Univ.		Riley, Christopher
Marco Battaglieri / Raffaella DeVita	Thomas Jefferson Nat. Accelerator	ege	Rehman, Talha
Advisor	Research Inst	Home Inst	Last, First

Last, First	Home Inst	Research Inst	Advisor
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Wen, Fufang	Univ. of California, Los Angeles	Univ. of California, Los Angeles	Huan Huang
White, John	Augustana Univ.	Brookhaven Nat. Lab	Nathan Grau
Willoughby, Hannah	Univ. of Tennessee, Knoxville	Univ. of Tennessee, Knoxville	Kate Jones
Wu, Frank (Tongan)	Simon Fraser Univ., Canada	TRIUMF / Simon Fraser Univ.	Krzysztof Starosta
Xi, Zhaojia	Abilene Christian Univ.	Fermilab	Andrew Chen / Donald Isenhower
Xing, Tian	Univ. of Illinois at Urbana-Champai	Univ. of Illinois at Urbana-Champa Univ. of Illinois at Urbana-Champaign	Anne Sickles
Yin, Pengqi	Univ. of Colorado at Boulder	Univ. of Colorado at Boulder	Jamie Nagle
Zheng, He	UCLA	Brookhaven Nat. Lab	Huan Huang
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