

* RHIC/AGS Users' Executive
Committee Activities 2015-16

Justin Frantz, 2015-16 Chair

Annual Users' Meeting

6/10/16

* UEC Basics → Increasing Activities

- * UEC has 18 members (including 3 chairs)
 - * chair elect, current chair, outgoing chair
- * UEC had four working groups until 2015
 - * 1) Meetings, Communications, Outreach 2) Quality of Life 3) Funding, Politics & Programmatic 4) Site Access & Science
- * Previous Main functions:
 - * AUM and Open Forum mtg Org
 - * Advocate for user issues as they arise
- * Increase Lately in Responsibilities
 - * DC Day: Started in 2013 (Tribble 2)
 - * Formation of Diversity WG: July 2015
 - * Diversity WG: Only *started* this year...much work to be done!
 - * Much BNL infrastructure (Dorms, CDC, etc.) is hitting “critical endpoint” [due to budget philosophies]
- * Result: we need more help! Official Membership increase +2 (to 20: 1 regular + post-doc/students)
 - * Interested? contact me! (frantz@ohio.edu)

* Quality of Life Working Group

* Issues/Activities this year

- * New Food vendor Metz
 - * Increasing DOE budget pressures on QOL
 - * Decaying Infrastructure: Dormitories, etc... Discovery Park Project
 - * Child Development Center (CDC) service reductions/financial viability
- ## * Meetings with Brookhaven Management have increased: Monthly meetings Facilities and Operations ALD Amy Nunizata & Other Directors
- * Other BNL UEC's participate
 - * e.g. Bob Lincoln, CHRO, updates us on CDC, Lanny Bates on Discovery Park
 - * Tighter feedback loop on Food Services
 - * Recently met with Metz representatives

* User Input Being Incorporated:



Cafeteria feedback



Metz Micromarkets



Discovery Park

* Meeting/Communications WG

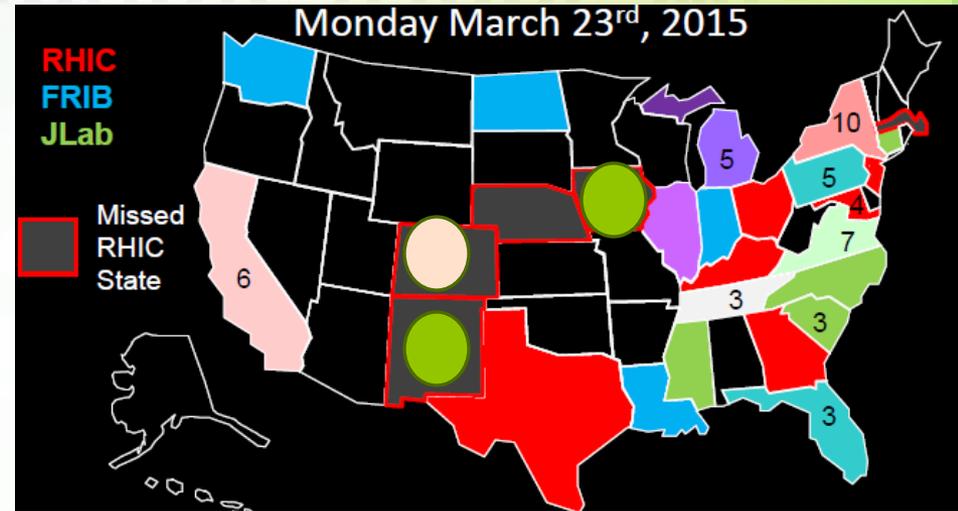
* DC Day successful!

* Monday - March 14, 2016

2013	64 Delegates,	RHIC 33, FRIB 24, JLab 7
2014	55 Delegates,	RHIC 21, FRIB 25, Jlab 9
2015	62 Delegates,	RHIC 25, JLab 22, FRIB 15

2016: 75 Delegates RHIC 27, FRIB 24, Jlab 24

* New RHIC Info sheet
(Thanks Agnes!)



* Great Open Forum / AUM Futures Session Today

* Serious work on SPIN/STAR near future

* Work in progress → valuable conversations/proposals

* AUM Diversity Focus!

New DC Day Fact Sheet !

Relativistic Heavy Ion Collider

RHIC Users' Executive Committee • Brookhaven National Laboratory • PO Box 5000 • Upton, NY 11973

Nuclear Physics at RHIC

www.bnl.gov/rhic

RHIC: Relativistic Heavy Ion Collider Exploring Matter at the Dawn of Time

Scientists' quest to understand matter and its interactions in the early universe inspired the construction and continuous improvement of the Relativistic Heavy Ion Collider (RHIC), the world's most versatile particle collider. It has produced a new kind of nuclear matter, a "perfect" liquid made of the subatomic building blocks that give shape to everything we see in the universe today.



The research conducted at RHIC attracts the world's best and brightest minds, inspire a new generation of scientists, and drive technological advances in many fields. >



RHIC Basics

- RHIC accelerates a large variety of nuclei across unprecedented energy ranges with crisscrossing rings of 1,740 superconducting magnets in a 2.4-mile tunnel
- RHIC's large nuclear collisions result in 1000s of outgoing particles that tell us about the nuclear force
- RHIC is the only US particle collider, one of only two in this energy regime in the world
- Sponsored by the U.S. Department of Energy's (DOE) Office of Nuclear Physics
- Replacement cost of over \$2 billion
- Two large particle detectors STAR and PHENIX

< Thousands of outgoing particles detected by STAR >

RHIC Productivity & Economics

- Major discoveries include the perfect-liquid quark-gluon plasma and the spin of gluons inside nucleons
- 1000+ scientists use RHIC (from around the world)
- \$180 million+ annual economic impact
- 390+ scientific papers, including 60 of the field's 100 most-cited
- 380+ PhDs, hundreds more to come
- 200+ tenured or tenure-track faculty and research positions in states across the U.S.
- Supports 1,469 full-time equivalent jobs
- Newly upgraded detectors with precision capabilities



Magnet-lined tunnels where nuclei are accelerated >

RHIC Impact

- Maintains position of the U.S. as a leader in nuclear science
- Inspires and trains hundreds of students for careers in science, technology, engineering, and mathematics (STEM)
- Develops the high-tech workforce needed to address technical challenges in communications, energy technologies, national security, medicine, and more
- Essential for world's full hot-nuclear-matter program also incorporating Europe's Large Hadron Collider (LHC)
- The National Nuclear Science 2015 Long Range Plan's #1 recommendation includes necessity of continuing RHIC operations
- Triggers spin-off benefits including:
 - medical isotopes for heart scans and cancer treatment
 - studies of space radiation impacting astronauts
 - a collider advances that could improve cancer treatment and nuclear reactor safety
 - R&D to advance energy storage
 - computational advances for "big data" in many fields



RHIC Future

- A strong RHIC community is a key foundation for the next-generation research facility for nuclear science: an Electron-Ion Collider (EIC)
- RHIC infrastructure can provide an affordable path to an EIC and U.S. nuclear physics leadership for decades to come
- Sufficient funding for RHIC is essential for a smooth transition preserving:
 - scientific talent
 - international collaborations
 - foreign investments



This document was produced by the
 RHIC Users' Executive Committee

www.bnl.gov/rhic

www.smashingmatters.org



2016 RHIC & AGS Annual Users' Meeting RHIC Upgrades and The Era of Femtobarn⁻¹ Precision

*NEW: Diversity WG

* Formed last ~July !

* partially reaction to the STAR/PHENIX CWIS site visits/critical mass of interested people

RHIC/AGS Users' Executive Committee Diversity Working Group General Information

<http://www.rhicuec.org/diversity.aspx>

Goals

- » Provide a place for people to turn to with Diversity Issues, for listening or recommending actions
- » Advocate for Diversity Issues that affect Users when they arise
- » Collect, maintain, and provide diversity statistics for RHIC/AGS Users
- » Communicate Diversity news/information to RHIC/AGS Users
- » Research and advocate follow-up for RHIC related BNL-Units on 2010 APS Women in Science Site Visit Report and recent STAR and PHENIX Collaboration Site Visit reports
- » Provide liaisons to other Diversity Groups at BNL, such as Brookhaven Women in Science
- » Provide expertise in Diversity Issues to RHIC Users

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2015-16 Members

Justin Freitz—Chair	Ohio University	tranz@ohio.edu	646-228-2529
Agnes Mocsy	Yale University	agnes.mocsy@yale.edu	917-299-9516
Christine Natraas	University of Tennessee	christine.natraas@utk.edu	865-674-8020
Fred Sorensen	Brookhaven National Lab	fsoren@bnl.gov	631-344-5420
Christina Swanson	Brookhaven National Lab	cswan@bnl.gov	631-344-4021
Peter Patricy	Brookhaven National Lab	ppatric@bnl.gov	631-344-2890
Marta Rosati	Iowa State University	mar212@iastate.edu	515-294-4573
Javier Ortega Koop	University of Colorado	javier.ortega@colorado.edu	726-257-4566

Find the most recent list of members at http://www.rhicuec.org/working_groups.aspx?d=6

Contact Us

If you have any diversity or harassment you would like to discuss confidentially please contact any member of the diversity working group listed above. Also our diversity working group is always interested in receiving help and suggestions from anyone in our community! If you are interested, contact Justin Freitz, Chair, also at the contact information listed above.

Reporting Harassment at Brookhaven Lab: If you are being harassed, notice that someone else is being harassed or have any other related concerns, please contact the BNL Diversity Office.

631-344-6253 | www.bnl.gov/diversity | Building 400 | Brookhaven National Laboratory

* Status of Diversity WG Work

- * Lot's of Activities and Many Fronts already:
- * **Working in close consultation with BNL Diversity Office !!!**
- * Data Gathering / Publishing? Plan Part 1 near completion
 - * Diversity breakdown for Different User communities including Theorists
 - * Part 2, 3, more ! (More Detailed Publications Collaborations Data)
- * Lactation Room(s) : Our actions started a process that has led to a new Lactation Room to appear in the Physics Building soon
 - * Identified good lead for another new one on RHIC Ring (1005)
- * **Sexual Harassment :**
 - * More prominent warnings at all BNL/RHIC events!
 - * User Agreement/Info Registration Changes (appearing soon)

* Lots Left TODO!!!

- * Didn't even start follow-up of Site Visit reports
 - * New lab activities in this direction sound promising—we will participate
 - * Unique Role to Help with collaboration Reports
- * New Act on New Ideas from AUM Diversity Workshop/Panels (Thanks again Agnes/Javier!)

Harassment or Diversity Issues?

Interested to help the Committee?

Just want someone to talk to?

- * We would be happy to appoint new members to the UEC who are interested in helping with this!!!!
 - * Great “broader impact”!

UEC
Election
Results

DEPARTING UEC MEMBERS

Daniel Cebra, University of California @ Davis

Olga Evdokimov, University of Illinois @ Chicago

Saskia Mioduszewski, Texas A&M University

Paul Sorensen, Brookhaven National Laboratory

Peter Steinberg, Brookhaven National Laboratory

Nils Feege, SUNY @ Stony Brook

Christoph Montag, Brookhaven National Laboratory

Peter Petreczky, Brookhaven National Laboratory

Nicola Apadula, Iowa State University

Javier Orjuela Koop, University of Colorado at Boulder

BRANT JOHNSON BNL ex officio

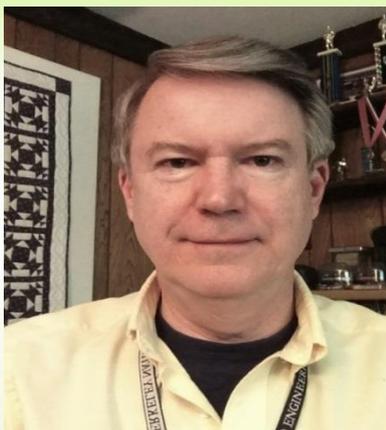
THANK
YOU !

Note: more departures
than usual = more
electees than usual !

CONGRATULATIONS!

Chair-Elect

Jim Thomas
Lawrence Berkeley National Lab



* CONGRATULATIONS!

UEC Members

- * ALL Candidates Received Similar Numbers of Votes!!! Very Tight
- * Need SEVEN candidates! Top 7 Vote Getters:

- * Megan Connors GSU
- * Brett Fadem Muhlenberg
- * Claudia Ratti U. Houston
- * Sevil Salur Rutgers University
- * Bjorn Schenke BNL
- * Aihong Tang BNL
- * Stephen Trentalange UCLA

CONGRATULATIONS!

Student/Post-doc Representative

- * Again all Candidates Received Similar Numbers of Votes!!!
- * Need Three: Top Three Vote Getters

- * Kathryn Meehan UC Davis
- * Jacquelyn Noronha-Hostler U. Houston
- * Timothy Rinn Iowa State University

SPECIAL THANKS AGAIN



BRANT JOHNSON

Formation / Structure of the UEC itself
Chair of several years
Active ex-Officio member over last 10 years

* Another Service Recognition!!!

In addition to Brant leaving us this year, another long time active UEC member and former chair is leaving us!

Paul Sorensen!!!



*Yet Another Special Thanks



THANK YOU AGNES!!!!

Diversity Events, DC Day, AUM Poster Design by Pratt Artists...(last year too!)

* Final Thanks!!!

* Teri Lazar

* Kathy Nasta

* Kelly Guiffreda

* Thank you guys for all the help every year
with the AUM!!!

* Also thanks so much to AUM organizer

* Lijuan Ruan