

DECEMBER 13, 2023

PSC ALL-HANDS MEETING



LAURENT CHAPON
Associate Laboratory Director
for Photon Sciences
APS Director

AGENDA

WELCOME

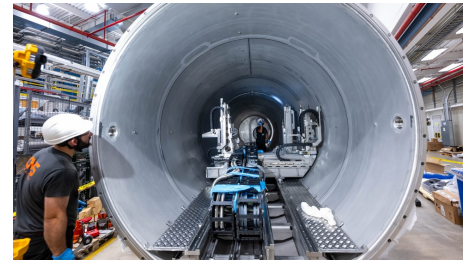
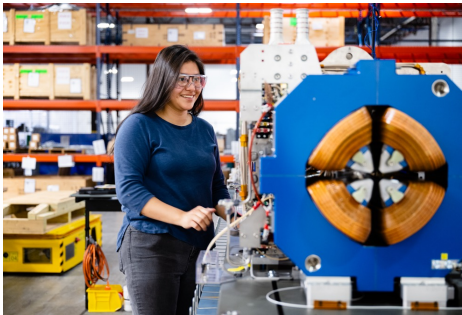
THANKS FOR A GREAT 2023!

AWARDS AND SERVICE ANNIVERSARIES

LOOKING AHEAD TO 2024

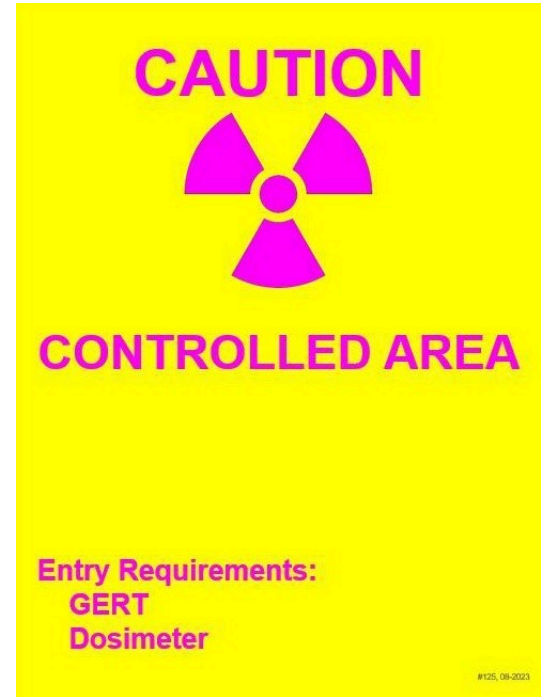
CHEESECAKE AND CHEER

THANKS FOR A GREAT 2023!

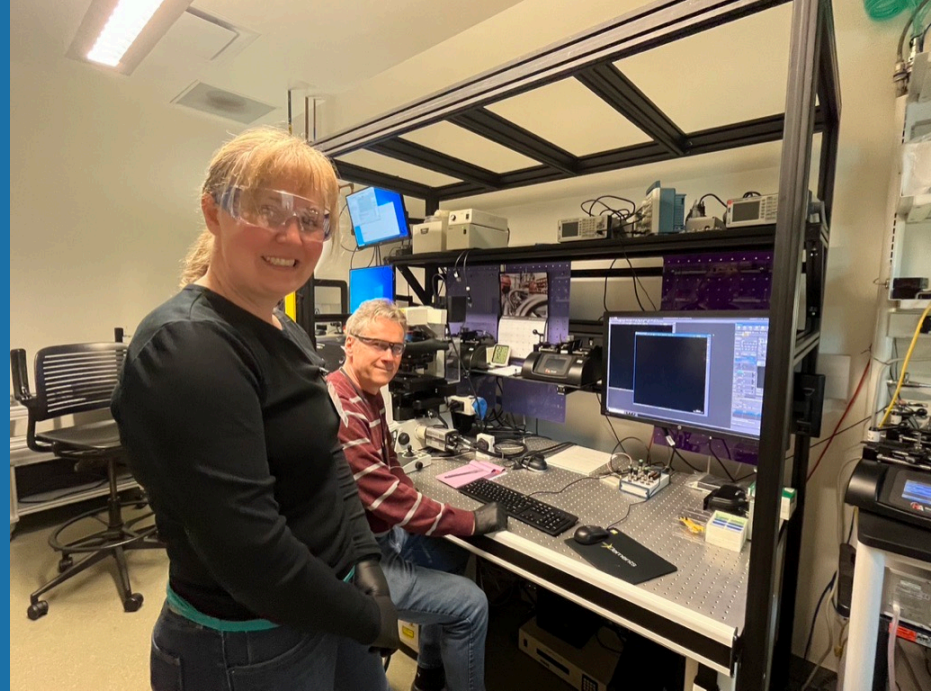


RADIATION SAFETY REMINDER

- When storage ring commissioning starts, the experiment hall floor will become a controlled area for radiation safety
- Everyone accessing the experiment hall floor once storage ring commissioning begins must:
 - Ensure JHQ and General Employee Radiation Training (ESH738) are updated
 - Wear a dosimeter on the floor



Impact Argonne Awards, Service Anniversaries



U.S. DEPARTMENT OF
ENERGY

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SIGNIFICANT COST REDUCTION

IMPACT ARGONNE

Joel Fuerst, Matthew Kasa

*For **modification of a test cryostat** that led to significant cost reduction of liquid helium for testing superconducting undulator magnets*

Charles Kurtz, Clay White, Saul Lapidus

*For producing and executing a plan to **modify the ratchet wall** to make less extensive modifications to the monochromator **at 11-BM**, instead of a redesign*

EXTRAORDINARY EFFORT

IMPACT ARGONNE

11 IMPACT ARGONNE GROUP OR INDIVIDUAL AWARDS

Adam Ray, Adam Reiersen, Aleksandar Marcetic, Aleksandar Stankovik, Alex Bolton, Ali Mashayekhi, Andre Salles, Andrew Mattillion, Angel Del Rio Rodriguez, Anita Garcia, Anson Hinkle, Anthony Tantillo, Aric Donnelly, Arvind Ramanathan, Ashley Wayman, Austin Sahr, Barbara Lavina, Becky Sikes, Beth Schlesinger, Bob Wilson, Brian McFadden, Brian Robinson, Brian Urban, Bryan Monk, Chengjun Sun, Christopher Sawatski, CJ Sarne, Clay White, Cody Holz, Daniel Makinney, Daniel Paskvan, Danny Roeder, David Gagliano, Dean Steinbrenner, Elizabeth Schmidt, Emily Aran, Eric McCarthy, Fang Zhang, Felix Lacap, Fernando Ocampo, Fernando Rafael, Frank Westferro, Frankie Hernandez, Gary Mangino, Gayatri Mistri, George Gonzalez, Glenn Moonier, Hannah Parraga, Jacob Ricken, Jamal Pegues, Jaroslaw Zygula, Jason Habbe, Jeremy Nudell, Jessica McChesney, Jessie Skwarek, Jiyong Zhao, John Hammonds, John Hoyt, John TerHAAR, Jon Smejkal, Jonathan Knopp, Joseph DeYoung, Joseph Gagliano III, Juan Anda, Jun Qian, Jun-Sang Park, Katie Tietz, Keith Knight, Ken Kishbaugh, Ken Volin, Kenneth Swierczek, Kevin Knoerzer, Leopoldo Martinez, Lisa Escalante, Lori Taranto, Louis Emery, Luis Lucero, Manny Mendez, Marcin Kaniewski, Marguerite Huber, Mark Erdmann, Martin Diaz, Martin Smith, Matt Spilker, Matthew Hotham, Melvin Cruz Gonzalez, Michael Henry, Michael Hu, Mike Bosek, Mike Fisher, Mitchell Vanoskey, Nicholas Bechtold, Noah Canchola, Owen McBride, Patricia Weghorn, Peter Kenesei, Quincy Beard, Ralph Bechtold, Robert Lange, Robert Myers, Robert Vargas, Robert Whitlock, Robert Wilson, Robert Winarski, Roberto Lopez, Roger Sersted, Ronald Blake, Rudy Berruquin, Scott Izzo, Shandra Keas, Sharon Farrell, Sinisa Veseli, Stephan Rosenkranz, Steve Potempa, Suresh Narayanan, Susan White De Pace, Thomas Fors, Thomas Gog, Thomas Parchem, Thomas Toellner, Tim Berenc, Timothy Clute, Timothy Hennebry, Timothy Madden, Tony Killelea, Tracy Thomas, Travis McCray, Troy Lutes, Venus Apantenco, Wayne Martinez, Wendy VanWingeren, Xianbo Shi, Xuli Wu, Yiying Ge

EXTRAORDINARY EFFORT

IMPACT ARGONNE

11 IMPACT ARGONNE GROUP OR INDIVIDUAL AWARDS

1. For **preparing the storage ring study schedule**, setting up the storage ring, and spending long hours in the control room participating in many of the studies
2. For **completing 1 APSU module per calendar day of every month** for a sustained period so the start of the APS downtime could be held
3. For the April 2023 **machine study of the IETS**
4. For **safely removing the APS storage ring**, keeping the APS dark time effort on track
5. For **leading the survey and alignment teams** during APS-U installation
6. For the **buildout of the 25-ID ASL beamline**, coordinating efforts with outside vendors and groups, and working closely with beamline staff on the alignment and testing of beamline components
7. For **experiments with LANL at the 1-ID beamline** in April 2023. The executed work required focused collaboration to identify and mitigate consequential safety hazards while achieving scientific objects.
8. For **supporting the Access Control Interlock System upgrade** during the dark period
9. For leading and executing the removal of sector 4 beamline components and infrastructure in **preparation for demolition and construction of POLAR hutches**
10. For clearly **defining the detailed need for control system and network infrastructure components for the APS-U feature beamlines**
11. For having a **state-of-the-art X-ray focusing mirror system** designed, procured, fabricated, installed, and commissioned in a timely fashion

**SAFETY OR
SECURITY
RESULTS**

IMPACT ARGONNE

Karen Walker

*For preparing **Safety Interlocks drawings**, including modification of more than 1,450 drawings, for radiation or equipment safety systems that require the utmost level of detail and accuracy*

Eugene Swetin, John Pace, Michael Bracken, Noel Gonzalez, Robert Furst, Robert Wright, Tiano Winfrey

*For flawlessly performing the mechanical **LOTO or Hazardous Energy Control** for the Aluminum and Copper Water System upgrades and bakeout skid removal*

Greg Fystro, Laura Boon, Lisa Berklund

*For their **implementation of the plan of the week (POW)** process, which enabled the safe execution of work during the dark period of the APS*

INNOVATION

IMPACT ARGONNE

Hannah Parraga, Michael Prince

For one of the first demonstrations of live experiment data processing and feedback from Polaris, demonstrating the viability of Polaris and data workflows for APS-U beamline data processing

Mark Wolfman, Max Wyman, Pete Jemian

*For implementing **Bluesky beamline controls software** at 25-ID and furthering its adoption at the APS*

25+ YEAR SERVICE AWARDS

25 years

Geoff Pile

30 years

Kurt Boerste

John Byrd

Nicholas DiMonte

Bruce Epperson

William Jansma

David Lichty

Emil Trakhtenberg

Robert Wright

Randall Zabel

35 years

Roger Dejus



BOARD OF GOVERNORS EXCELLENCE IN DEIA AWARD

- For their leadership of the PSC Diversity Equity Inclusion and Accessibility Council:
 - Catalyzing a shift in mindsets
 - Building skills for bridging differences and changing behaviors
 - Fostering longer-term culture change efforts within the lab



Fanny Rodolakis and Becky Sikes

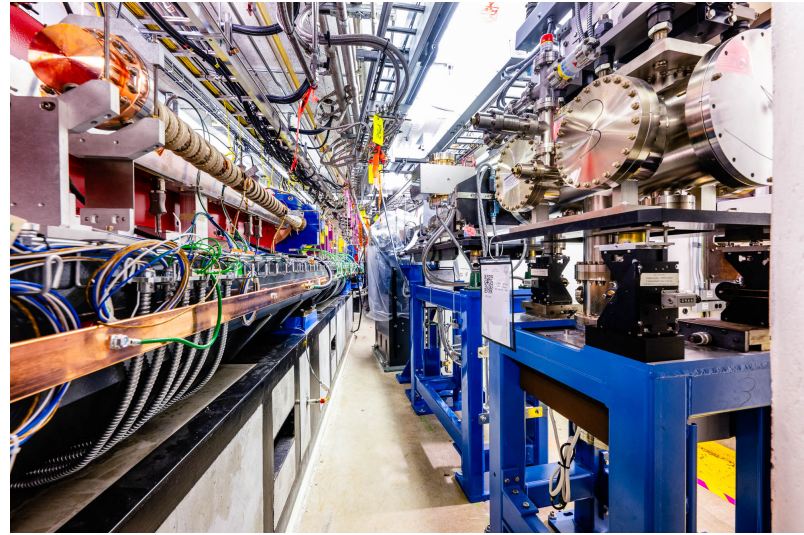
DEFENSE PROGRAMS AWARD OF EXCELLENCE

- A multi-laboratory team from Argonne and Livermore National Laboratory received the award from the National Nuclear Security Administration
- Recognized for contributions to nuclear security and classified experiments to ensure the security and proper stewardship of U.S. nuclear stockpile



LOOKING AHEAD TO 2024

- Storage Ring installation completed in December
- Test and checkout in January
- Accelerator Readiness Review week of February 12
- Incremental Storage Ring review in ~May, after initial commissioning, before ramp up to higher currents
- Beamlines will have their own processes, after safety checks
- Focused on restoring full user operations as quickly and safely as possible
- Working through applications for the voluntary program, with verbal notifications before winter break, formal packages in late January



Cheesecake and Cheer





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