



BERKELEY LAB

Bringing Science Solutions to the World



U.S. DEPARTMENT OF
ENERGY

Office of Science

NSD Staff Meeting

October 29, 2024

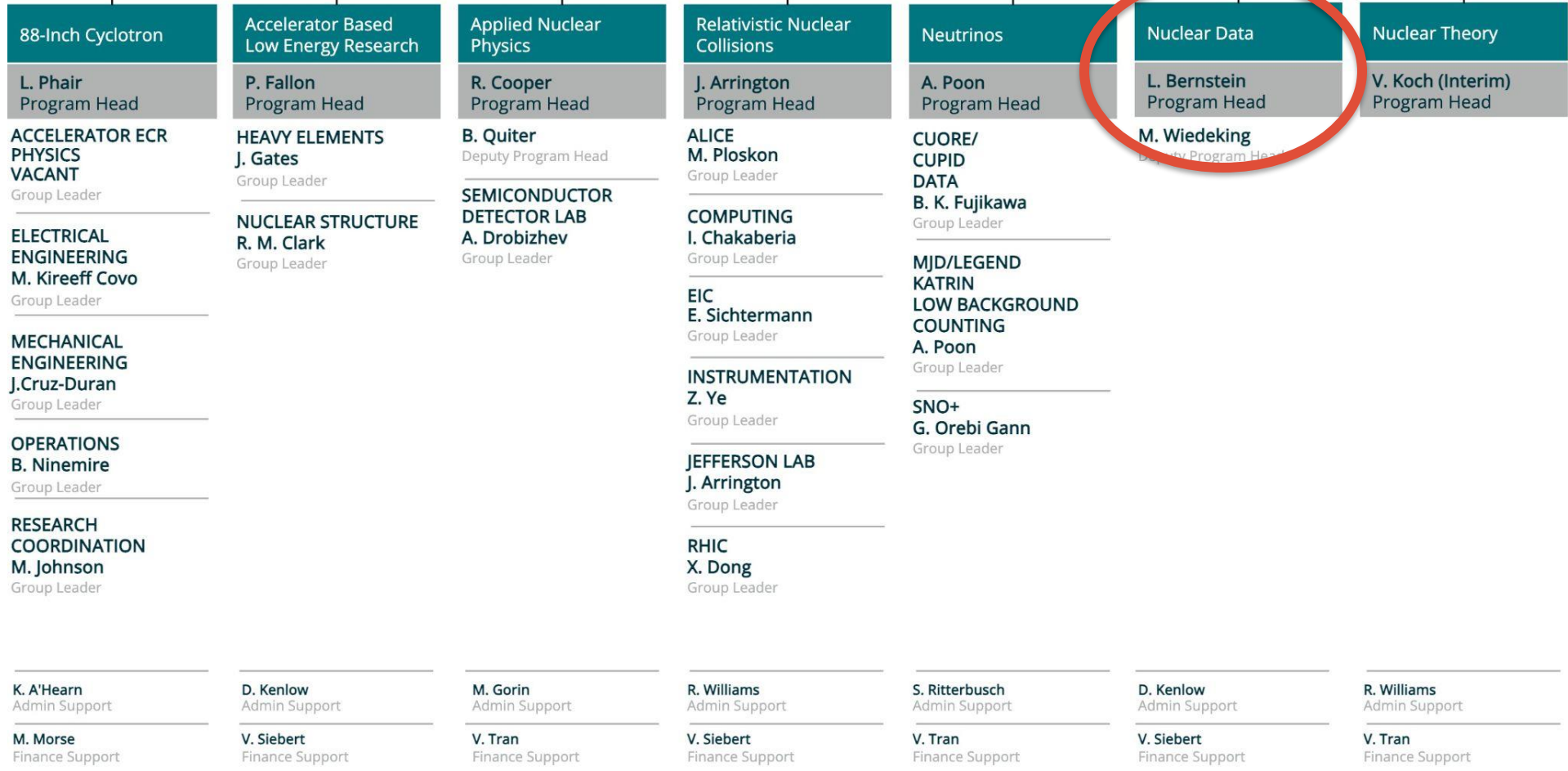


Division Updates

Division Director
R. Kruecken

R. Cooper
Division Deputy, Science

T. Gallant
Division Deputy, Operations



Personnel News

Welcome to the Nuclear Science Division

Javier Caravaca Rodriguez

Staff Scientist - ANP

Joined us from UCSF where he built a biomedical imaging program. Former postdoc at UC Berkeley working on hybrid neutrino detection. Developing detector systems and methods for biomedical imaging with a focus on theranostics.



Max Smiley

Postdoc – ANP

Former UC Berkeley student. Working on space-based gamma detection and imaging (with HPGe detector baseline) NA-22 Next Gen Fellow



David Matters

Scientific Engineer – Nuclear Data

Joined after retiring from the US Army, NNSA Senior Program Manager. PhD in Applied Physics USAF IT with gamma-ray spectroscopy experience.

Working on Applied Nuclear Data experiments and program development.



Welcome to the Nuclear Science Division

Rachael Williams

Administrative Assistant

Supporting the Relativistic Nuclear Collisions and Nuclear Theory programs



Vance Siebert

Sr. Resource Analyst

Supporting the Low-Energy, Nuclear Data, and Relativistic Nuclear Collisions programs



David Konyndyk (June 2024)

Sr. Scientific Engineering Associate
88-Inch and Division wide

Joined NSD to provide mechanical support, instrumentation design and maintenance across NSD. Previous experience includes aerospace industry, including with Boeing.



Zhengwei Xue (August 2024)

Scientific Engineering Associate – *RNC*

Xue joined us from UIC, Physical Electronics. Working on readout electronics development for the Silicon Vertex Tracker and AC-LGAD detectors for the ePIC experiment on the Electron-Ion Collider.

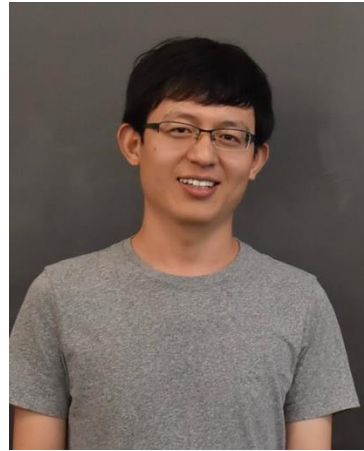


Welcome to the Nuclear Science Division

Lipei Du

Postdoc UC Berkeley / RNC

PhD, U. Paris-Saclay & CEA;
Working on study of the properties
of the Quark-Gluon Plasma at ALICE
using Bayesian inference.



Zack Hall

NSF MPS-Ascend Postdoc - Nuclear Theory

PhD, UNC Chapel Hill; former SCGSR
Fellow at LBNL
Working on precision low-energy test of the
Standard Model using lattice QCD and
effective theory.



Rita Sadek

Postdoc - RNC

PhD, Subatech/IN2P3 (ALICE thesis
award); Working on early staged
design for advanced silicon tracking
systems for the future ALICE 3
upgrade. (LDRD project)



Christian Zimmermann

Humboldt Fellow - Nuclear Theory

PhD, U. Regensburg; Applying
lattice QCD to low-energy hadronic
physics, including calculations of
the muon $g-2$



Welcome to the Nuclear Science Division

Felipe Ortega-Gama

Affl. Postdoc Nuclear Theory, UCB

PhD College of William & Mary;
Working on lattice QCD for electro-weak processes with multiple hadrons in initial/final state



Thomas Richardson

Affl. Postdoc – Nuclear Theory, UCB

PhD U. Mainz; Working on low-energy effective theories and projects on the interface of lattice QCD and effective theory. (NTNP Topical Collaboration)



Wyatt Smith

Affl. Postdoc - Nuclear Theory, GWU

PhD Indiana U.; working on finite volume formalism for multi-particle interactions for lattice QCD.
(ExoHAD Topical Collaboration)



NSD Social Media

NUCLEAR SCIENCE DIVISION

Berkeley Lab Nuclear Science Division

Nuclear Science Division at Berkeley Lab

Research Services · Berkeley, California · 24 followers · 51-200 employees

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About

The Nuclear Science Division at Berkeley Laboratory is a leader in research that advances the understanding of all facets of nuclear matter and forces through experiment and theory. We drive innovation in instrumentation and computing for fundamental research and applications for s ... see more

[Show all details →](#)

Give us a follow and please share our posts.

2024 Berkeley Lab Director's Awards honor PSA staff members

October 15, 2024
Congratulations to Physical Sciences Area staff members honored with 2024 Berkeley Lab Director's Awards.

Read more

Passing of Rick Firestone

October 14, 2024
It is with great sadness that we learned of the passing of Rick Firestone on September 9th. Rick was a titan in the nuclear data world. In addition to his seminal work in the 8th edition of the table of isotopes, Rick was a visionary regarding the importance of neutron capture and scattering data who constantly pushed the nuclear..

Read more

12th Annual Nuclear Science Day for Scouts Set for Nov. 9

September 12, 2024
Registration is open for the 12th Annual Nuclear Science Day for Scouts. The event will take place on Saturday, Nov. 9. The event is hosted by Berkeley Lab's Nuclear Science Division, the Advanced Light Source, and Berkeley Lab K-12 Programs, and supported by many volunteers. Participating scouts will learn about the ABC of Nuclear Science,...

Read more



Quick links available on our website.



A tremendous amount of thanks . . .

to the NSD Social Media Team of **Carol Chien, Spencer Klein, and Hannah Parrilla.**

We wouldn't have a social media presence without this team.

The best way you can support their efforts is to like, follow, share our posts and promote our channels.

Ideas to encourage outreach on our social media channels can be sent to **nsdsocialmedia@lbl.gov**

NSD Community Agreement

Nuclear Science Division Community Agreement 1/5

Opening Statement

Work and life intersect in many ways, and it is important to strive for a balance that is constructive and healthy, both mentally and physically. As integral members of Berkeley Lab and the Physical Sciences Area (PSA), we in the Nuclear Science Division strive to embody the [Lab's stewardship values](#) and are guided by the IDEA principles in all we do. With the below agreement, we aspire as a community to identify a common set of guidelines, and articulate our shared values and expectations, all to empower ourselves to advocate for work-life balance and support each other through our actions. The agreement builds on the work by the [Physical Sciences' Workplace Life Committee](#) and the [Work-Life-Balance policy statement](#) by the PSA.

- Our responsibilities to the community
- Our responsibilities to the Lab
- Our responsibilities to our colleagues
- Our responsibilities to ourselves

Nuclear Science Division Community Agreement 2/5

Our responsibilities to the community

We have moral and ethical responsibilities as citizens of the scientific community and the world. To fulfill these responsibilities we will:

- Conduct ourselves with integrity, excellence, and professionalism
- Represent the Lab's stewardship values and IDEA principles to the broader community

Nuclear Science Division Community Agreement 3/5

Our responsibilities to the Lab

We are each a part of the larger Lab community, working together toward a shared mission. We can enact this by:

- Ensuring responsible stewardship of resources
- Contributing to a mature safety culture
- Incorporating the Lab's stewardship values and IDEA principles in our work
- Raising concerns through appropriate channels, holding ourselves and each other accountable
- Leading by example; do so effectively, responsibly, and with accountability

Nuclear Science Division Community Agreement 4/5

Our responsibilities to our colleagues

We belong to teams. To engage and communicate with them respectfully and effectively we should prioritize one another by:

- Working within each other's work-life boundaries
- Empowering different work styles and modalities for mutual success
- Allowing others to be their authentic selves
- Protecting each other's health by not showing up to work when potentially contagious
- Respecting each other's privacy, for example by not asking why someone is out sick
- Embracing differences, diversity, and inclusion with fairness and equity

Nuclear Science Division Community Agreement 5/5

Our responsibilities to ourselves

We are all individuals who thrive when embodying self-care, living authentically, and protecting our boundaries. We can realize our best selves by:

- Prioritizing our own physical and mental health
- Using sick leave and other types of leave when needed
- Considering to set work-life boundaries by unplugging after hours or when on vacation
- Recognizing that admitting mistakes or asking for help are not signs of weakness

Nuclear Science Division Community Agreement

Next Steps

We would like to have your feedback on this draft Community Agreement

We will use a Google Form to collect comments on any part of the draft text.

→ Look out for a Level-1 message on this.