



University of South Dakota QuarkNet Mini-Workshop 2022

When: Saturday, October 15, 2022

1:00 – 6:00 PM (includes pizza/discussion @ 5:00 PM)
plus optional public lecture from 6:30 – 8:30 PM

Where: University of South Dakota – Sioux Falls
4801 North Career Avenue, Sioux Falls

Stipend: \$100

Jing Liu, associate professor of physics at the University of South Dakota, is working with QuarkNet national staff to open a new QuarkNet center at the University of South Dakota! Learn more about QuarkNet, how to become involved, and sample some of QuarkNet classroom activities at this introductory mini-workshop.

You can see the full agenda here: <https://tinyurl.com/prairieqn>

If interested in attending: Please register using the form you can access here (<https://tinyurl.com/SDQNform22>) or by scanning this QR code:

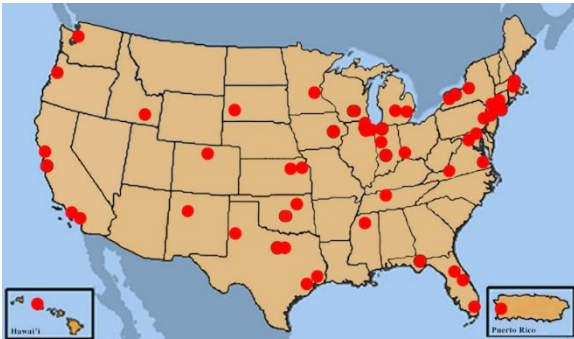


If you have any questions, please refer to the contacts on the next page.



Who we are

QuarkNet is a National Science Foundation program for high school teacher professional development in particle physics. We are physicists and teachers working together in QuarkNet centers at universities and labs across the United States.



What we do

Together, we work to bring authentic, cutting-edge data from particle experiments at places like CERN and Fermilab, as well as table-top particle detectors, to our students. We help them apply the physics they are learning in school to the most fundamental questions about the universe.

Contacts:

Jing Liu (Jing.Liu@usd.edu), Associate Professor of Physics at USD

Ken Cecire (kcecire@nd.edu), QuarkNet National Staff

Shane Wood (swood5@nd.edu), QuarkNet National Staff



Cool physics

Use conservation laws to calibrate the Large Hadron Collider or reveal how neutrinos interact with atomic nuclei. Measure the size of a particle with a histogram and how it behaves with a protractor. Use student-level code to calculate the lifetime of a particle. Discover all those particles all around you.

Great opportunities

QuarkNet teachers have measured cosmic rays in the Rockies, studied with colleagues at CERN, made new connections at Fermilab, and formed tight teams in their own QuarkNet Centers. And a bunch more!

