



## 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.



## 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 the 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!

*Let's get going! Visit our website at <https://quarknet.org>, sign up for our newsletter at <http://cern.ch/go/cp7k>, or inquire with Ken at [kcecire@nd.edu](mailto:kcecire@nd.edu) or Shane at [swood5@nd.edu](mailto:swood5@nd.edu).*

