

Plenary talks (PV)

Plenary Talk PV II Tue 9:30 HS1+HS2
QuarkNet: Teaching and Learning 21st Century Physics —
•THOMAS JORDAN — University of Florida & Fermilab
QuarkNet is an extension of the US particle physics community. Started in 1998, the project has invited well over 1000 US teachers to attend workshops, perform research, assemble hardware and explore ways to teach modern physics topics to high school students.
Teachers have built and tested components for Tevatron and LHC

experiments, analyzed data from the Sloan Digital Sky Survey. They build and use classroom cosmic ray muon detectors, and have explored ways to introduce their studnets to topics such as the production of the Top Quark. Teachers can use their web-browser to access data from the LIGO observatory and share their findings with other student users across the globe.
I will discuss the practices, tools and findings of this successful col-
laboration.