

Friday Flyer – February 15, 2013

CENTER SPOTLIGHT - Northern Illinois University - <http://nicadd.niu.edu/quarknet>

The NIU QuarkNet Center had several well-attended activities last year. Four teachers and nearly 30 students from five area high schools participated. STEMfest 2011 at NIU was an all-day public event on Oct. 22, 2011 held at the convocation arena and organized by the NIU STEM Outreach Office. QuarkNet had one of more than 50 booths. On display were the detector, numerous detector elements, and ATLAS posters. The event attracted more than 3,000 visitors. Four teachers and 25 students attended the ATLAS masterclass on March 14. At NIU, Chakraborty and Gatz gave introductory talks followed by tutorials and data analysis. The students made impressive progress and shared their findings with others across the country by videoconference in the afternoon. For the summer 2012 meeting, 3 teachers and 15 students from two schools participated in the weeklong institute starting June 18. All students had experience with the cosmic ray detectors at their schools. They were very bright and highly motivated. They split up in three groups of five each, set up experiments that they had not done before, took and analyzed data, and presented the results—all within a span of 3.5 days. This was quite a remarkable achievement. The week ended with a half-day trip to Fermilab, including tours of DZero and the QuarkNet lab in Wilson Hall.

News from QuarkNet Central - http://quarknet.fnal.gov/friday_flyers.shtml

Is there something you would like to do this summer in your QuarkNet workshop? Be sure to check what other centers have been doing by reading through the Friday Flyer Archives.

Physics Experiment Roundup - Bye bye beams!

With the scheduled two-year shutdown of the LHC on Feb. 14, an ATLAS scientist shares what the general feeling is at ATLAS. <http://www.quantumdiaries.org/2013/02/13/bye-bye-beams/>

First three-year LHC running period reaches a conclusion.

Learn more specifics about the shutdown and future schedule. <http://www.interactions.org/cms/?pid=1032579>

Resource of the Week - Two great videos!

Fermilab: Science at Work (40 min) <http://youtu.be/lrrxNxDKtd8>

TED Talk - Bubbles (8

min) <http://www.youtube.com/watch?v=CLKcggkF3TLI&list=PLSatVjzQd2dRXfSATjYYBmfNbLub-RQsT&index=5>

Just for Fun - <https://itunes.apple.com/us/app/id582838193?mt=8&ign-mpt=uo%3D4>

Turn your iPhone into a spectroscope with Physics Central's new SpectraSnapp app! Available for free in the App Store.

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