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## NEXUS@FNAL

*Tuesday, July 23, 2019 6:45 PM (15 minutes)*

The Northwestern EXperimental Underground Site at Fermilab (NEXUS@FNAL) is an underground cryogenic facility that has 300 meter water equivalent shielding. A dilution refrigerator operating at 10 mK, a DD generator producing 2.5 MeV neutrons, and a suite of optical and X-ray calibration sources are being deployed at the facility. The expected background level at NEXUS is 100 events/keV/kg/day. We present the status of the NEXUS facility and the near future plan for operating SuperCDMS R&D detectors for dark matter searches and calibrations in this facility.

### **Less than 5 years of experience since completion of Ph.D**

Y

### **Student (Ph.D., M.Sc. or B.Sc.)**

N

**Primary authors:** HONG, Ziqing (Northwestern University); Dr HSU, Lauren (Fermilab); REN, Runze; Prof. FIGUEROA-FELICIANO, E. (Northwestern University); Dr KURINSKY, Noah (Fermi National Accelerator Laboratory); Dr BAUER, Dan (Fermilab); Dr LUKENS, Pat (Fermilab)

**Presenter:** HONG, Ziqing (Northwestern University)

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