

*ASPERA Workshop*

*The next generation projects in Deep Underground Laboratories*

*June 30 – July 2, 2011, Zaragoza & Canfranc, Spain*

## **US-led and US-participated direct Dark matter experiments in North American and European Labs**

**C. Galbiati**

[galbiati@Princeton.edu](mailto:galbiati@Princeton.edu)

Princeton University, Princeton, United States of America

### **ABSTRACT**

I will cover results, status, and progress of US-led and US-participated direct dark matter experiments in North American and European Labs.

My review will cover a significant number of experiments with noble liquid targets: the xenon-based XENON-100 and the successor XENON-1t at LNGS, and LUX at Sanford Lab; the argon-based WARP at LNGS, miniCLEAN and DEAP-3600 at SNOLab; the depleted argon-based DarkSide proposed at LNGS.

I will also cover the CDMS experiment at Soudan Lab and the successor SuperCDMS at SNOLab; COGENT at Soudan Lab; the COUPP-4 and COUPP-60 experiments at SNOLab.