

Session Program

8-14 Jun 2011



TIPP 2011 - 2nd International Conference on Technology and Instrumentation in Particle Physics

Dark Matter Detectors

Chicago, Sheraton Hotel
301 East Water Street Chicago, IL 60611

Friday 10 June

14:00

Dark Matter Detectors

Session | Location: Sheraton Hotel, Chicago Ballroom 10

14:00–14:30 DAMA/LIBRA at Gran Sasso

Speaker
Dr Riccardo Cerulli

14:30–15:00

DM-Ice: a direct detection experiment for dark matter at the South Pole

Speaker
Reina Maruyama

15:00–15:30

A testable conventional hypothesis for the DAMA-LIBRA annual modulation

Speaker
David Nygren

15:30

16:00

Dark Matter Detectors

Session | Location: Sheraton Hotel, Chicago Ballroom 10

16:00–16:20 Depleted Argon from Underground Sources

Speaker
Dr Henning Back

16:20–16:40

Fluorescence Efficiency and Visible Re-emission Spectrum of Tetraphenyl Butadiene Films at Extreme Ultraviolet Wavelengths

Speaker
Dr Victor Gehman

16:40–17:00 QUPID readout system and operation in Noble Liquid

Speaker
Dr Paolo Beltrame

17:00–17:15

WArP R&D: Demonstration and comparison of photomultiplier tubes operation at liquid Argon Temperature

Speaker
Dr Ettore Segreto

17:15–17:30

Test of a new Fast Waveform Digitizer for PMT signal read-out from liquid Argon Dark Matter detectors

Speaker
Dr Andrzej Szelc

17:30-17:50

WArP R&D: Neutron to Gamma Pulse Shape Discrimination in Liquid Argon Detectors with HQE PMTs

Speaker

Dr Nicola Canci

17:50

Saturday 11 June

14:00

Dark Matter Detectors

Session | **Location:** Sheraton Hotel, Superior B

14:00–14:30

The Xenon1T demonstration system

Speaker

Dr Ran Budnik

14:30–14:50

LUX Cryogenics and Circulation

Speaker

Mr Adam Bradley

14:50–15:10

Instrument Development for Liquid Xenon Dark Matter Searches: An Atom Trap Trace Analysis System to Measure Ultra-low Krypton Contamination in Xenon

Speaker

Luke Goetzke

15:10–15:30

PTFE reflectance measurements, modeling and simulation for Xenon detectors

Speaker

Dr Cláudio Silva

15:30

16:00

Dark Matter Detectors

Session | **Location:** Sheraton Hotel, Superior B

16:00–16:30

Large Diameter Cryogenic Germanium Detectors for Dark Matter Direct Detection Experiments

Speaker

Dr Paul Brink

16:30–17:00

The Argon Dark Matter experiment

Speaker

Mr Lukas Epprecht

17:00–17:30

The LUX Dark Matter Experiment: Design, Calibration, and Simulation

Speaker

Dr Matthew Szydagis

17:30–18:00

Searching for Dark Matter with COUPP

Speaker

Dr Hugh Lippincott

18:00

Monday 13 June

14:00

Dark Matter Detectors

Session | **Location:** Sheraton Hotel, Superior B

14:00–14:20

CCDs for particle physics experiments

Speaker

Natalie Harrison

14:20–14:40

CoGeNT-4: Prospects for an expanded search for light-mass WIMPS

Speaker

John Orrell

14:40–15:10

Cryogenic Dark Matter Search Experiment: Status and Plans

Speaker

Prof. Vuk Mandic

15:10–15:30

Germanium Detectors for Dark Matter Searches

Speaker

Prof. Vuk Mandic

15:30–15:50

The discrimination capabilities of Micromegas detectors at low energies

Speaker

Mr Francisco Jose Iguaz Gutierrez

16:00