

Session Program

8-13 Aug 2011



DPF 2011

Particle Astrophysics and Cosmology

Rhode Island Convention Center
One Sabin Street Providence, RI 02903

Wednesday 10 August

16:30

Particle Astrophysics and Cosmology: Chaired by Jocelyn Monroe

Session | **Location:** Rhode Island Convention Center, 550 | **Conveners:** Jocelyn Monroe, Dr Scott Dodelson

16:30–16:50

The MiniCLEAN Dark Matter Experiment

Speaker

Dr Andrew Hime

16:50–17:10

The DarkSide Program at LNGS

Speaker

Alex Wright

17:10–17:30

Constraining Light Dark Matter with CDMS II and SuperCDMS

Speaker

Scott Hertel

17:30–17:50

Status of the LUX Dark Matter Experiment

Speaker

Mr Jeremy Chapman

17:50–18:10

Status of CoGeNT

Speaker

Juan Collar Colmenero

18:10–18:30

After LUX: The LZ Program

Speaker

Mr David Mallng

18:30

Thursday 11 August

10:30

Particle Astrophysics and Cosmology: Chaired by Andrew Zentner

Session | **Location:** Rhode Island Convention Center, 556 | **Conveners:** Jocelyn Monroe, Dr Scott Dodelson

10:30–10:50

The Dark Energy Survey Data Management System

Speaker

Mr Ignacio Sevilla

10:50–11:10

Studying Cosmic Acceleration with the Dark Energy Survey

Speaker

Masao Sako

11:10–11:30

The Dark Energy Camera - A new Instrument for the Dark Energy Survey

Speaker

Dr Jiangang Hao

11:30–11:50

Ultra High Energy Cosmology with the POLARBEAR Telescope

Speaker

Ms Stephanie Moyerman

11:50–12:10

Probing Cosmology and Particle Physics with ACT

Speaker

Sudeep Das

12:10–12:30

Cosmic Ray in the Northern Hemisphere: Results from the Telescope Array Experiment

Speaker

Prof. Charles Jui

12:30

Friday 12 August

08:00

Particle Astrophysics and Cosmology: Chaired by Savvas Koushiappas
Session | **Location:** Rhode Island Convention Center, 556 | **Conveners:** Jocelyn Monroe, Dr Scott Dodelson

08:00–08:20
Current and Future Dark Matter Searches with SuperCDMS Experiment
Speaker
Dr Oleg Kamaev

08:20–08:40
Rejection of Backgrounds in the DMTPC Dark Matter Search Using Charge Signals
Speaker
Mr Jeremy Lopez

08:40–09:00
Testing Inflation with Dark Matter Halos (Primordial Non-Gaussianity in Large-scale Structure)
Speaker
Dr Marilena Loverde

09:00–09:20
New Perspectives on Indirect Detection: Dark Matter in the Sun and Other Stars
Speaker
Prof. Andrew Zentner

09:20–09:40 **Multidimensional Quantum Tunneling: A Perturbative Approach**
Speaker
Nathaniel Reden

09:40–10:00 **Daily Modulation of the Dark Matter Signal in Crystalline Detectors**
Speaker
Ms Nassim Bozorgnia

10:00