

Session Program

21-23 Feb 2018



UCLA Dark Matter 2018

Poster Session

UCLA Faculty Center
480 Charles Young Drive, Los Angeles, California 90095 USA

Tuesday 20 February

18:30

Poster Session: (also during coffee breaks)

Poster Session | **Location:** UCLA Faculty Center, 480 Charles Young Drive, Los Angeles, California 90095 USA

Irene Bolognino (INFN- Milano): Direct search of Dark Matter through the SABRE experiment

Speaker

Dr Irene Bolognino

Location

Jae Hyeok Chang (Stonybrook): Supernova 1987A Constraints on Low-Mass Dark Sectors

Speaker

Jae Hyeok Chang

Location

Estella Barbosa de Souza (Yale U.): COSINE-100 simulation and background assessment

Speaker

Estella Barbosa de Souza

Location

Omar Moreno (SLAC): The Light Dark Matter eXperiment

Speaker

Omar Moreno

Location

Seongjin In (Sungkyunkwan University, Korea): Solar Atmospheric Neutrino Searches with IceCube Neutrino Telescope

Speaker

Seongjin In

Location

Esteban Jimenez (Texas A&M U.): Dark Matter Relics and Scalar Tensor Theories

Speaker

Esteban Jimenez

Location

Christopher Michael Karwin (UCI): Evidence for Extended Gamma-ray Emission Toward the Outer Halo of M31 from Fermi-LAT Observations

Speaker

Christopher Michael Karwin

Location

Jung-Tsung Li (UCSD): Neutrino Burst-Generated Gravitational Radiation From Collapsing Supermassive Stars

Speaker
Jung-Tsung Li

Location

Brandon Melcher (Syracuse): Concentrated Dark Matter: Enhanced Small-scale Structure from Co-Decaying Dark Matter.

Speaker
Brandon Melcher

Location

Alissa Monte (UMass Amherst): Analysis of Alpha Events in DarkSide-50

Speaker
Alissa Monte

Location

Hee Jung Kim (KAIST): Self-heating dark matter via the semi-annihilation

Speaker
Mr Hee Jung Kim

Location

Quynh Lah Nguyen (Notre Dame): Constraints on Interacting Dark Matter from small scale structure

Speaker
Quynh Lan Nguyen

Location

Kris Pardo (Princeton): Astrophysical and Cosmological Constraints on Dark Matter Emulators

Speaker
Kris Pardo

Location

Tao Ren (UC Riverside): Diversity and Uniformity of Rotation Curves from Self-interacting Dark Matter Framework

Speaker
Tao Ren

Location

Ben Schlitzer (UC Davis): The Argon Response to Ionization and Scintillation Experiment

Speaker
Ben Schlitzer

Location

Gizem Sengor (Syracuse): An effective field theory approach to preheating

Speaker
Gizem Segnor

Location

Mukul Sholapurkar (Stony Brook): Neutrino Backgrounds for the Direct-Detection of Sub-GeV Dark Matter**Speaker**

Mukul Sholapurkar

Location**William Thompson (Yale): Monitoring System and Data Stability of COSINE-100****Speaker**

William Thompson

Location**Xinran Li (Princeton): Study on CMOS imaging detector for the search of neutrinoless double β decay in ^{82}Se** **Speaker**

Xinran Li

Location**Thomas Thorpe (University of Hawaii): A Prototype Directional Dark Matter Detector****Speaker**

Thomas Thorpe

Location**Jennifer Rittenhouse West (UCI): The Cosmological Fate of $SU(3)_C \times U(1)_{EM}$ (based on <https://arxiv.org/abs/1711.04534>)****Speaker**

Jennifer Rittenhouse West

Location**Ziping Ye (University of Houston): Neutrino Detection in DarkSide-20k****Speaker**

Ziping Ye

Location**Jingqiang Ye (UC San Diego): XENON1T Dark Matter Search Experiment****Speaker**

Jingqiang Ye

Location**Chiara Pancaldo Salemi (MIT): ABRACADABRA, A Search for Low-Mass Axion Dark Matter****Speaker**

Chiara Salemi

Location**Jagjit Singh Sidhu (CASE): Novel Macroscopic Dark Matter (Macro) Detection Schemes****Speaker**

Jagjit Singh Sidhu

Location

Jamin Rager (UNC): An Update on the Bosonic Dark Matter Search with the MAJORANA DEMONSTRATOR

Speaker

Jamin Rager

Location

Field Rose Rogers (MIT): Searching for Antinucleon Signatures of Dark Matter in Cosmic Rays with GAPS

Speaker

Field Rose Rogers

Location

Daniel Gilman (UCLA): Probing dark matter with flux ratios from multiply imaged quasars

Speaker

Daniel Gilman

Location

Christopher Kelso (U of North Florida): Directly detecting Isospin-Violating Dark Matter

Speaker

Christopher Kelso

Location

19:00