

Sub-eV 2016



Report of Contributions

Contribution ID: **30**

Type: **not specified**

Superfluid He for DM detection

Wednesday, December 7, 2016 9:40 AM (30 minutes)

Presenter: MCKINSEY, Daniel

Session Classification: Morning 1

Contribution ID: 31

Type: **not specified**

High Energy Resolution TES Bolometers

Thursday, December 8, 2016 9:00 AM (30 minutes)

Presenter: PYLE, Matt (UC Berkeley)

Session Classification: Morning 2

Contribution ID: 32

Type: **not specified**

PTOLEMY for DM detection

Wednesday, December 7, 2016 2:30 PM (30 minutes)

Presenter: TULLY, Chris (Princeton U.)

Session Classification: Afternoon 1

Contribution ID: 33

Type: **not specified**

Experimental Limits on Screened Scalar Fields

Friday, December 9, 2016 9:00 AM (30 minutes)

Presenter: MÜLLER, Holger (UC Berkeley)

Session Classification: Morning 3

Contribution ID: **38**

Type: **not specified**

1st Discussion Session

Wednesday, December 7, 2016 11:45 AM (30 minutes)

Workshop goals and definition of potential new experiments.

Presenter: NELSON, Harry (UCSB)

Contribution ID: 39

Type: **not specified**

2nd Discussion Session

Wednesday, December 7, 2016 4:50 PM (30 minutes)

Common challenges (eg. backgrounds). Commonality between different technologies presented

Presenter: PYLE, Matt (UCB)

Contribution ID: 40

Type: **not specified**

3rd Discussion Session

Thursday, December 8, 2016 11:30 AM (30 minutes)

Single photon detectors discussion

Presenter: FILIPPINI, Jeff (UIUC)

Contribution ID: 41

Type: **not specified**

4th Discussion Session

Thursday, December 8, 2016 4:20 PM (40 minutes)

What Topics have we missed?

Presenter: SORENSEN, Peter

Contribution ID: 42

Type: **not specified**

5th Discussion and Adjourn

Friday, December 9, 2016 11:50 AM (40 minutes)

Is there a clear direction for a single experimental program? What R&D is needed to decide?

Contribution ID: 43

Type: **not specified**

New ideas in dark matter detection

Wednesday, December 7, 2016 9:10 AM (30 minutes)

Presenter: ZUREK, Kathryn

Session Classification: Morning 1

Contribution ID: 44

Type: **not specified**

Bosonic Enhancements in Cavity Scattering

Friday, December 9, 2016 10:50 AM (30 minutes)

Presenter: ROMALIS, Michael (Princeton U.)

Session Classification: Morning 3

Contribution ID: 46

Type: **not specified**

Lumped-element resonators and DMRadio

Thursday, December 8, 2016 2:30 PM (30 minutes)

Presenter: IRWIN, Kent (Stanford U.)

Session Classification: Afternoon 2

Contribution ID: 48

Type: **not specified**

Molecular Magnets as Magnetic Bubble Chambers

Thursday, December 8, 2016 2:00 PM (30 minutes)

Presenter: MELIA, Thomas

Session Classification: Afternoon 2

Contribution ID: 49

Type: **not specified**

Atomic Clocks for Dark Matter

Friday, December 9, 2016 9:30 AM (30 minutes)

Presenter: HOGAN, Jason (Stanford U.)

Session Classification: Morning 3

Contribution ID: 50

Type: **not specified**

Superconducting detectors for superlight dark matter

Wednesday, December 7, 2016 2:00 PM (30 minutes)

Presenter: HOCHBERG, Yonit

Session Classification: Afternoon 1

Contribution ID: 51

Type: **not specified**

Electronic excitations in superfluid helium

Wednesday, December 7, 2016 10:30 AM (30 minutes)

Presenter: SEIDEL, George (Brown U.)

Session Classification: Morning 1

Contribution ID: 52

Type: **not specified**

Multi-quasiparticle excitations in superfluid helium

Wednesday, December 7, 2016 1:30 PM (30 minutes)

Presenter: KROTSCHECK, Eckhard (U. of Buffalo)

Session Classification: Afternoon 1

Contribution ID: 54

Type: **not specified**

Ultimate Ionization Threshold

Thursday, December 8, 2016 3:50 PM (30 minutes)

Presenter: MANALAYSAY, Aaron (UC Davis)

Session Classification: Afternoon 2

Contribution ID: 55

Type: **not specified**

Scintillator electron recoil detectors (GaAs)

Thursday, December 8, 2016 3:20 PM (30 minutes)

Presenter: DERENZO, Stephen (UC Berkeley)

Session Classification: Afternoon 2

Contribution ID: 56

Type: **not specified**

Looking for new particles in nanospheres

Friday, December 9, 2016 11:20 AM (30 minutes)

Presenter: MOORE, David (Yale U.)

Session Classification: Morning 3

Contribution ID: 57

Type: **not specified**

Millimeter wavelength spectrometers

Thursday, December 8, 2016 9:30 AM (30 minutes)

Presenter: ZMUIDZINAS, Jonas (Caltech)

Session Classification: Morning 2

Contribution ID: 58

Type: **not specified**

Magnetometry and CASPER

Wednesday, December 7, 2016 3:20 PM (30 minutes)

Presenter: SUSHKOV, Alex (Boston U.)

Session Classification: Afternoon 1

Contribution ID: 59

Type: **not specified**

Welcome

Wednesday, December 7, 2016 9:00 AM (10 minutes)

Session Classification: Morning 1

Contribution ID: **60**

Type: **not specified**

New Materials for Light Dark Matter Searches

Thursday, December 8, 2016 1:30 PM (30 minutes)

Presenter: LISANTI, Mariangenla (Princeton U.)

Session Classification: Afternoon 2

Contribution ID: **61**

Type: **not specified**

Microcalorimeter technology in x-ray detectiion

Thursday, December 8, 2016 10:00 AM (30 minutes)

Presenter: ECKART, Megan (NASA)

Session Classification: Morning 2

Contribution ID: 62

Type: **not specified**

Dark matter absorption in semiconductors, superconductors and superfluid helium

Friday, December 9, 2016 10:00 AM (30 minutes)

Presenter: LIN, Tongyan

Session Classification: Morning 3

Contribution ID: 63

Type: **not specified**

Coherent photon scattering background

Wednesday, December 7, 2016 3:50 PM (30 minutes)

Presenter: ROBINSON, Alan (Fermilab)

Session Classification: Afternoon 1

Contribution ID: 64

Type: **not specified**

(TBC) Application of CMB detector technology

Thursday, December 8, 2016 11:00 AM (30 minutes)

Presenter: LEE, Adrian (TBC)

Session Classification: Morning 2

Contribution ID: 65

Type: **not specified**

The QUAX experiment to search for axion-spin coupling

Wednesday, December 7, 2016 4:20 PM (30 minutes)

Presenter: CRESCINI, Nicolo

Session Classification: Afternoon 1

Contribution ID: 66

Type: **not specified**

HEP Cosmic Program Report

Wednesday, December 7, 2016 11:25 AM (15 minutes)

Presenter: BHATTI, Anwar (DOE)

Session Classification: Morning 1