


NSD Staff Meeting

 Tuesday 28 Jan 2020, 12:00 → 13:15 US/Pacific

 Building 50 - Auditorium (LBL-Hill)

TODAY



12:00 → 12:05 **Announcements**

Speaker: Mateusz Ploskon

⌚ 5m



12:05 → 12:15 **Safety**

Speaker: Jeff Bramble (NSD)

⌚ 10m



12:15 → 12:30 **Diversity, Equity, and Inclusion - Nuclear Science Day for Scouts and Division Outreach**

Speakers: Alan Poon (Nuclear Science Division, Berkeley Lab), Ernst Sichtermann

⌚ 15m



 NSD DEI Welcome....

12:30 → 13:00 **Science Talk: Dark Matter Direct Detection Theory—From Extensions of the Standard Model to Observables**

⌚ 30m



What is the nature of so-called Dark Matter and does it interact with regular matter except through gravity? Direct detection experiments aim to answer this question. Yet, propagating measurements (or constraints) to the fundamental theory requires bridging several scales - from target nucleus to individual nucleons to the level of quarks & gluons and beyond. In this talk I describe the methods used, assumptions made and challenges faced by the bridging of scales to address implications of measurements.

Speaker: Christopher Koerber

Next Meeting: 11th of February 2020

Upcoming events

IDEA Brown Bag For Staff: Inclusive Meetings – January 29, 2020

Time: 12 noon – 1 pm

Location: Pers Hall, Building 54, Room 130

Join by zoom: <https://lbnl.zoom.us/j/711330107>

Brown Bag Instrumentation Seminar

Sensors and imagers at FBK

by Gianligi Casse (FBK-CMM & U. Liverpool)

Wednesday 12 Feb 2020, 12:00 → 13:00 US/Pacific

50A-5132

Interdisciplinary Instrumentation Colloquium

Benjamin Jones (UTA): "Better Neutrinoless Double Beta Decay through Biochemistry

Wednesday 29 Jan 2020, 12:00 → 13:00 US/Pacific

LBNL - Bldg. 50 Auditorium

RPM

Vivek Singh (LBNL) "New results for Neutrinoless Double-Beta Decay search in ^{130}Te with CUORE "

January 28 @ 4:00 pm - 5:00 pm

50A-5132 (Sessler Conference Room), 50A-5132

RPM

Huilin Qu (UCSB) "Search for the Higgs Boson Decaying to Charm Quarks with the CMS Experiment"

January 30 @ 4:00 pm - 5:00 pm

50A-5132 (Sessler Conference Room), 50A-5132

RPM

Matthew Solt (Stanford U) "The Heavy Photon Search Experiment"

February 4 @ 4:00 pm - 5:00 pm

50A-5132 (Sessler Conference Room), 50A-5132

See <https://rpm.physics.lbl.gov/events/list/?tribe-bar-date=today> for updates on reserved/TBA RPM slots (6, 11, 13 of February)

Upcoming events

UCB - Nuclear Engineering

Chernobyl - A panel discussion on HBO's miniseries

<https://nuc.berkeley.edu/event/chernobyl/>

February 3 @ 4:00 pm - 6:00 pm

3110 Etcheverry Hall

UCB - Nuclear Engineering

Applied nuclear science and engineering at Los Alamos

Mark Chadwick, Los Alamos

February 10 @ 4:00 pm - 5:00 pm

3105 Etcheverry Hall

UCB - Research Area: Condensed Matter Physics And Materials Science

COOKING, FISHING AND JOGGING THROUGH PHASE SPACE: A
PRACTICAL GUIDE TO DISCOVERING AND UNDERSTANDING NEW
MATERIALS

Speaker: Paul C. Canfield, Iowa State University / Ames Laboratory

Monday, February 10, 2020 - 4:15pm

Location: 1 LeConte

UCB - Research Area: Condensed Matter Physics And Materials Science

MICROSCOPIC ROBOTS

Speaker: Paul McEuen, Cornell University

Monday, February 10, 2020 - 2:30pm

Location: 3 Le Conte Hall

UCB - Research Area: Astrophysics / Particle Physics

SCANNING THE SKY FOR STERILE NEUTRINO DARK
MATTER

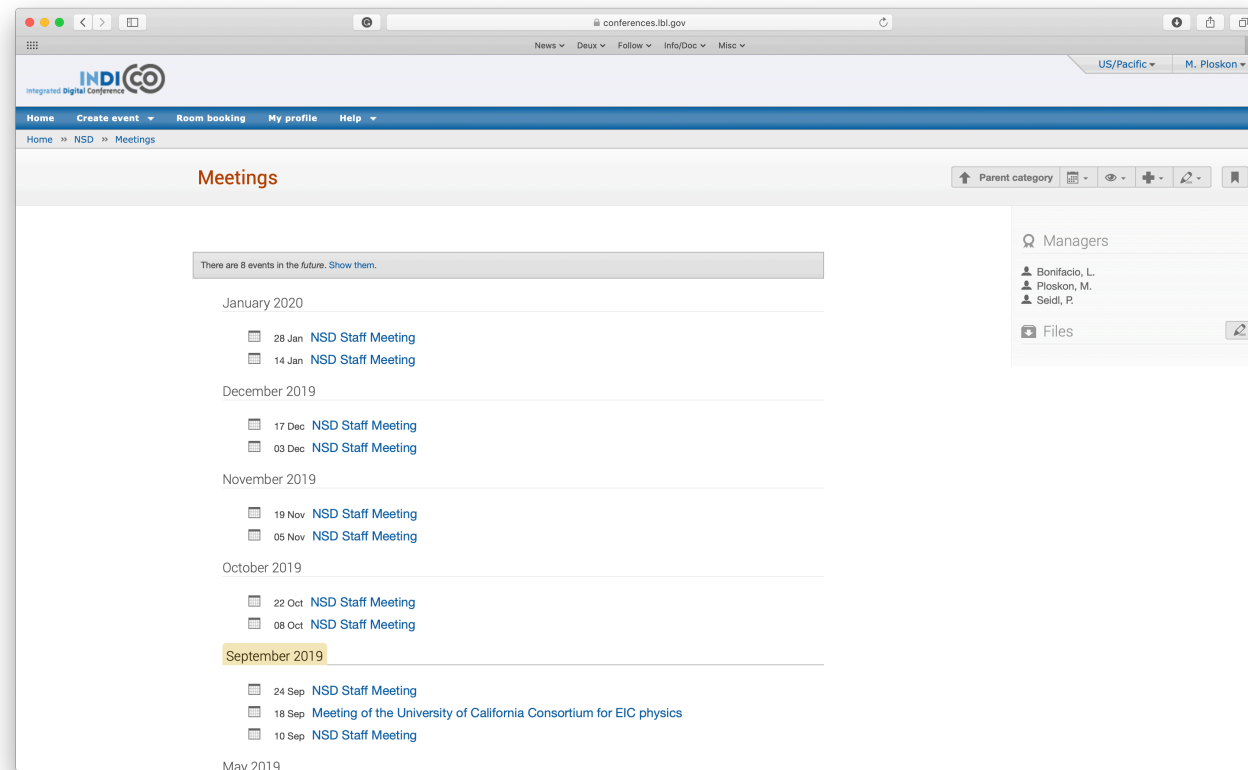
Speaker: Kerstin Perez, MIT

Monday, February 3, 2020 - 4:15pm

Location: 1 LeConte

Next Meeting: 11th of February

- <https://conferences.lbl.gov/category/73/>
- Volunteers/suggestions welcome!



May 2020

-  19 May [NSD Staff Meeting](#)
-  05 May [NSD Staff Meeting](#)

April 2020

-  21 Apr [NSD Staff Meeting](#)
-  07 Apr [NSD Staff Meeting](#)

March 2020

-  24 Mar [NSD Staff Meeting](#)
-  10 Mar [NSD Staff Meeting](#)

February 2020

-  25 Feb [NSD Staff Meeting](#)
-  11 Feb [NSD Staff Meeting](#)