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NSD Staff Meeting (20 Novemb

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M. Ploskon ▾

## NSD Staff Meeting

Tuesday, 20 November 2018 from 12:00 to 13:00 (US/Pacific)  
at LBL-Hill ( 70A-3377 )

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### Tuesday, 20 November 2018

12:00 - 12:05	<b>Announcements 5'</b> Speaker: Mateusz Ploskon	▾
12:05 - 12:15	<b>Safety 10'</b> Speaker: Dave Rodgers	▾
12:15 - 12:25	<b>Diversity, Equity, and Inclusion 10'</b> Speakers: Barbara Jacak, Erika Suzuki, Tom Gallant (LBNL), Ernst Sichtermann Material: <b>Slides</b> 📄	▾
12:25 - 13:00	<b>Deuterons at LHC: "snowballs in hell" via hydrodynamics and hadronic afterburner 35'</b> <i>The deuteron yield in Pb+Pb collisions at 2.76 TeV is consistent with thermal production at a freeze-out temperature of <math>T = 155</math> MeV. The existence of deuterons with binding energy of 2.2 MeV at this temperature was described as "snowballs in hell". We provide a microscopic explanation of this phenomenon, utilizing relativistic hydrodynamics and switching to a hadronic afterburner at the above mentioned temperature of <math>T = 155</math> MeV. The measured deuteron <math>pT</math>-spectra and coalescence parameter <math>B2(pT)</math> are reproduced without free parameters, only by implementing experimentally known cross-sections of deuteron reactions with hadrons, most importantly <math>\pi + d \leftrightarrow \pi + n + p</math>.</i> Speaker: Dima Oliinychenko (Nuclear Theory, NSD)	▾

# Notes on NSD meetings

<https://conferences.lbl.gov/category/73/>



Complete schedule until June 2019

The screenshot shows the Berkeley Lab website with the NSD Nuclear Science Division page. The page includes a sidebar with navigation links and a main content area with a large image of a particle detector and text about the division's research programs and facilities.

**NSD NUCLEAR SCIENCE DIVISION**

**RESEARCH PROGRAMS**

- Accelerator-Based Low-Energy Research
- Applied Nuclear Physics
- Neutrinos and Nuclear Astrophysics
- Nuclear Theory
- Relativistic Nuclear Collisions

**FACILITIES**

- 88-Inch Cyclotron
- BASE (Space Radiation Effects Testing) User Facility
- Low Background Facility

**PROJECTS**

**EDUCATION & OUTREACH**

**PHYSICAL SCIENCES WORKPLACE COMMITTEE**

**NSD ORGANIZATION**

**NUCLEAR SCIENCE DIVISION STAFF**

**NSD SAFETY**

**SEMINARS**

**NSD INTERNAL POLICY**

**JOB OPPORTUNITIES**

Contact: S. Ritterbusch

U.S. DEPARTMENT OF ENERGY  
Office of Science

**NSD Seminars**

- NSD Staff Meetings
- HIT: Heavy Ion Tea
- INPA Journal Club
- Nuclear Physics Forum

## External Links

- LBL home page
- LBL Physics Division
- LBL Accelerator Technology and Applied Physics Division
- LBL Engineering Division
- DOE Office of Nuclear Physics

The screenshot shows the NSD Meetings page on the conferences.lbl.gov website. The page displays a list of meetings for the future, organized by month. The November 2018 section is highlighted, showing two meetings: 20 Nov NSD Staff Meeting and 06 Nov NSD Staff Meeting. The November 2018 section is highlighted in yellow.

**Meetings**

There are 5 events in the future. Show them.

**March 2019**

- 19 Mar NSD Staff Meeting
- 05 Mar NSD Staff Meeting

**February 2019**

- 19 Feb NSD Staff Meeting
- 05 Feb NSD Staff Meeting

**January 2019**

- 22 Jan NSD Staff Meeting
- 08 Jan NSD Staff Meeting

**December 2018**

- 18 Dec NSD Staff Meeting
- 04 Dec NSD Staff Meeting

**November 2018**

- 20 Nov NSD Staff Meeting
- 06 Nov NSD Staff Meeting

There are 4 events in the past. Show them.

**Managers**

- Bonifacio, L.
- Ploskon, M.
- Seidl, P.

**Files**

Speaker for 4<sup>th</sup> of December needed  
- programs schedule otherwise - TBA  
"less than 52/2 meetings a year => less than 4 talks per program"

# Upcoming events

<i>What?</i>	<i>Who?</i>	<i>On what?</i>	<i>When?</i>		<i>Where?</i>
HIT	Yoshitaka Hatta (Kyoto University)	Probing the QCD Wigner distribution in diffractive dijet production	11-Dec	3:00 pm	Bldg 2-100B
HIT	Felix Ringer (LBNL)	Collinear factorization in heavy-ion collisions	4-Dec	3:00 pm	Pers Hall Main
HIT	Aaron Angerami (LLNL)	Ultra-Peripheral Heavy-Ion Collisions: A Path to the EIC	3-Dec	2:30 pm	Location TBD
HIT	Yong Zhao (MIT)	Systematic Calculation of 3-D Nucleon Structure from Lattice QCD	27-Nov	3:00 pm	Pers Hall Main
HIT-Theory	Manibrata Sen (UC Berkeley and Northwestern University)	New Aspects of flavor conversions of supernova neutrinos	Nov-20 - Today	1:00 pm	Świątecki Lounge 70-228
NSD Coll.	Rebecca J. Abergel (UC Berkeley/LBNL)	From actinium to einsteinium: Exploring trends and opportunities for heavy elements	28-Nov	10:30 am	70A-3377
NSD Coll.	Michael Lisa (Ohio State University)	Subatomic Swirls and Massive Magnetic Fields - Hyperon Polarization in Ultrarelativistic Heavy Ion Collisions	6-Dec	10:30 am	TBA
Nuclear Theory Seminars	Stan Brodsky (SLAC)	Supersymmetric Features of Hadron Physics and other Novel Properties of Quantum Chromodynamics from Light-Front Holography and Superconformal Algebra	6-Dec	1:00 pm	Świątecki Lounge 70-228
RPM	Jesse Liu (U. Oxford)	Opening New Frontiers for Supersymmetry and Dark Matter at the LHC	20-Nov - Today	4:00 pm	50A-5132
RPM	Elodie Deborah Resseguie (U. Pennsylvania)	Electroweak SUSY Searches on ATLAS	27-Nov	4:00 pm	50A-5132
RPM	Karri DiPetrillo (Harvard U.)	Searching for long-lived particles with displaced vertices in ATLAS	29-Nov	4:00 pm	50A-5132
RPM	Danielle Norcini (Yale)	TBA	4-Dec	4:00 pm	50A-5132
UCB Condensed Matter Physics Seminars	Junqiao Wu (Department of Materials Science and Engineering - UC Berkeley)	Electronic thermal conduction in solids	26-Nov	2:30 pm	3 Le Conte Hall
UCB Physics Colloquium	Shirley Ho (Flatiron Institute - Center for Computational Astrophysics)	Machine Learning for the Universe: Steps towards Opening the Blackbox	26-Nov	4:15 pm	1 Le Conte
UCB Condensed Matter Physics Seminars	Jayakanth Ravichandran (University of Southern California)	Perovskite Chalcogenides: New Semiconductors for Visible to Infrared Optoelectronics	3-Dec	2:30 pm	3 Le Conte Hall
Brown Bag Instrumentation Seminar	Sunil Golwala (Caltech)	Kinetic inductance detector architectures to search for the low-mass dark matter	18-Dec	12:30 pm	50A-5132
INPA	Simon Foreman (CITA Toronto)	TBA	30-Nov	12:00 pm	50A-5132
INPA	Carlos García García (IFF Madrid)	TBA	7-Dec	12:00 pm	50A-5132
INPA	Kimmy Wu (KICP Chicago)	TBA	14-Dec	12:00 pm	50A-5132
Instrumentation Colloquium	Bill Flounders (UCB Nanolab)	You Plan to Do Your Nanofabrication Where?!	28-Nov	12:00 pm	B50-4001