



2024 NUPAX Presentations

Wednesday, April 3rd Thursday, April 4th & Friday, April 5th

The presentation slides are accessible via Dropbox

The research interests of faculty, researchers, postdocs and graduate students can be viewed at <https://web.mit.edu/lms/OpenHouse/2024/>. You can schedule a time to meet in-person by clicking on the link in his/her bio.

Wednesday, April 3th

9:30 - 11:20 Greetings and small gatherings, Lourie Room (26-502)

Join Zoom meeting URL:
<https://mit.zoom.us/j/94100271720?pwd=b2J4S1FFVUM0TGQzcUdzN2hzZWJhZz09>

Afternoon Presentations - 1:30 - 4:00 PM

1:30 - Welcome - LNS and NUPAX

2:00 Speakers: *Boleslaw Wyslouch, Gunther Roland*

2:00 - Axion Dark Matter and Neutrinoless Double-Beta Decay

2:15 Speaker: *Lindley Winslow*

2:15 - Opportunities on the LHCb Experiment and in AI for Scientific Discovery

2:45 Speakers: *Eluned Smith, Mike Williams*

2:45 - Electron Scattering to Study QCD and Beyond

3:00 Speaker: *Richard Milner*

3:00 - Break

3:15

3:15 - Interdisciplinary Studies: Institute for Artificial Intelligence and Fundamental Interactions (IAIFI) and Physics, Statistics, and Data Science PhD (PhysSDS)

4:00 Speakers: *Jesse Thaler, Mike Williams*

7:00 PM Dinner - Gunther Roland's House

Thursday, April 4th

Join Zoom Meeting URL:

<https://mit.zoom.us/j/94100271720?pwd=b2J4S1FFVUM0TGQzcUdzN2hzZWJhZz09>

10:00 - 10:15 **Working the energy frontier with CMS at LHC and on to the Future Circular Collider**
Speaker: *Christoph Paus*

10:15 - 10:30 **Relativistic Heavy-Ion Group**
Speaker: *Gian Michele Innocenti*

10:30 - 11:00 **Searching for Dark Matter and Understanding the Higgs Boson with New Ideas in AI and Beyond**
Speaker: *Philip Harris*

Afternoon Meetings

2:00 - 4:00 **Individual meetings with faculty and research staff. Please see the Main Page (<https://web.mit.edu/Ins/OpenHouse/2024/>) to reserve your time.**

Friday, April 5th

9:00 - 11:00 **Breakfast with NUPAX Grad Students - LNS Kolker Room, 26-414**
