



THE NIELS BOHR INTERNATIONAL ACADEMY

MSc Project Info Day

October 24th, 2019

Welcome to NBIA!



Niels Bohr Archive, Copenhagen - NBA.NBI.DK

Niels Bohr Institute

six locations : 11 sections + NBIA

Niels Bohr Institute

Blegdamsvej 17 ([on map](#))
2100 Copenhagen
Phone: 35 32 52 09
Fax: 35 32 50 16
E-mail: eksp-blv@nbi.ku.dk

Research in biophysics, quantum physics, eScience, particle physics and cosmology.

Part of the central administration and the Electronic workshop is placed here.



Mechanical workshop

Juliane Maries vej 30 ([on map](#))
2100 København Ø.
Phone: +45 35 32 04 49
E-mail: cbs@nbi.ku.dk

The mechanical workshop develops instruments for the research groups.



Vibenshuset

Lyngbyvej 2 ([on map](#))
2100 Copenhagen
Phone: 44 22 45 81

Research in Astrophysics and Theoretical Condensed Matter Physics.



Tagensvej (Ice and Climate)

Tagensvej 16 ([on map](#))
2200 København N.

Research in [Physics of Ice Climate and Earth](#).



H.C. Ørsted Institute, bldg. D

Universitetsparken 5 ([on map](#))
2100 Copenhagen Ø.
Phone: 35 32 04 38
Fax: 35 32 04 60
E-mail: gittem@fys.ku.dk

Research in [Nanophysics and Quantum Physics](#).



Geological Museum

Øster Voldgade 5-7, 2. sal ([on map](#))
1350 Copenhagen K.
Phone: 35 32 59 96
E-mail: mbentsen@nbi.ku.dk

Research in [Astrophysics and Planetary Science](#).



International Academy



International Academy

- Founded in 2007 following Nordita's move to Stockholm
- Research center hosted by the Niels Bohr Institute — Theoretical Physics & related areas
- Ties to several Sections, Groups, and Centers at NBI & Statens Naturhistoriske Museum
- Growth driven entirely by excellence
- Enormous success in attracting research grants
- Steady stream of international visitors & seminar speakers
- Several workshops, symposia and PhD schools every year

Today's Goals

- Provide an overview of the diverse research areas conducted at the International Academy.
- Establish an informal forum for MSc students.
- Create contacts to NBIA researchers and potential MSc project supervisors.
- Receive feedback from students ([Google Form](#)).

Program

9:15 - 10:30 presentations

N. Emil Bjerrum-Bohr - Theoretical Particle Physics

Michele Levi - High-Energy and Gravity Theory

Mike Trott - SM Effective Field Theory / Phenomenology

10:30 - 11:00 coffee break in NBIA Lounge

11:00 - 12:15 presentations

Amin Doostmohammadi - Biophysics & Active Matter

Martin Pessah - Theoretical Astrophysics

Markus Ahlers - Neutrino Astrophysics

12:15 - 13:00 lunch break in NBIA Lounge

13:00 - 13:30 guided tour with Niels Bohr Archive

THEORETICAL PARTICLE PHYSICS

Poul Henrik Damgaard	phdamg@nbi.ku.dk
Emil Bjerrum-Bohr	bjbohr@nbi.ku.dk
Michael Trott	mrtrott@nbi.ku.dk
Jake Bourjaily	bourjaily@nbi.ku.dk
Matthias Wilhelm	matthias.wilhelm@nbi.ku.dk
Michele Levi	michelelevi@nbi.ku.dk

THEORETICAL ASTROPHYSICS

Martin Pessah	mpessah@nbi.ku.dk
Johan Samsing	jsamsing@astro.princeton.edu
Tobias Heinemann	heinemann@nbi.ku.dk

BIOPHYSICS & ACTIVE MATTER

Amin Doostmohammadi	doostmohammadi@nbi.ku.dk
---------------------	--------------------------

ASTROPARTICLE PHYSICS & COSMOLOGY

Irene Tamborra	tamborra@nbi.ku.dk
Jason Koskinen	koskinen@nbi.ku.dk
Markus Ahlers	markus.ahlers@nbi.ku.dk
Subodh Patil	patil@nbi.ku.dk

CONDENSED MATTER THEORY

Mark Rudner	rudner@nbi.ku.dk
Michele Burrello	michele.burrello@nbi.ku.dk

THEORETICAL PARTICLE PHYSICS

Poul Henrik Damgaard	phdamg@nbi.ku.dk
Emil Bjerrum-Bohr	bjbohr@nbi.ku.dk
Michael Trott	mrtrott@nbi.ku.dk
Jake Bourjaily	bourjaily@nbi.ku.dk
Matthias Wilhelm	matthias.wilhelm@nbi.ku.dk
Michele Levi	michelelevi@nbi.ku.dk

tomorrow at
14:40-15:00

THEORETICAL ASTROPHYSICS

Martin Pessah	mpessah@nbi.ku.dk
Johan Samsing	jsamsing@astro.princeton.edu
Tobias Heinemann	heinemann@nbi.ku.dk

BIOPHYSICS & ACTIVE MATTER

Amin Doostmohammadi	doostmohammadi@nbi.ku.dk
---------------------	--------------------------

ASTROPARTICLE PHYSICS & COSMOLOGY

Irene Tamborra	tamborra@nbi.ku.dk
Jason Koskinen	koskinen@nbi.ku.dk
Markus Ahlers	markus.ahlers@nbi.ku.dk
Subodh Patil	patil@nbi.ku.dk

CONDENSED MATTER THEORY

Mark Rudner	rudner@nbi.ku.dk
Michele Burrello	michele.burrello@nbi.ku.dk

tomorrow at
14:00-14:40

more from
NBIA at the



Details

Time: 25 October 2019, 12:55-19:30

Place: H.C. Ørsted Institute,
Universitetsparken 5, Auditorium 1