

## **Session Program**

**26-30 Aug 2019**

# **NBIA-LANL Neutrino Quantum Kinetics in Dense Environments**

***Talk***

Niels Bohr Institute, Auditorium A  
Blegdamsvej 17, 2100 København

## Monday 26 August

14:00

**Talk: Sajad Abbar (Neutrino Flavor Evolution in Dense Neutrino Media: Fast Modes and Flavor Equilibrium)**

Session | Location: Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København

14:15

**Talk: Manibrata Sen (Impact of Collisions on Fast Flavor Conversions)**

Session | Location: Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København

14:30

**Talk: Alexandra Dobrynina (Influence of Magnetic Field on Beta-processes in Supernova Medium)**

Session | Location: Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København

14:45

## Tuesday 27 August

14:00

**Talk: Evan Grohs (Neutrino Quantum Kinetics in the Early Universe)****Session** | **Location:** Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København

14:15

**Talk: Rasmus Hansen (Effects of Extended Emission Regions on Neutrino Oscillations)****Session** | **Location:** Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København

14:30

**Talk: Daniel Blaschke (Neutrino Quantum Kinetic Equations: the Collision Term)****Session** | **Location:** Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København

14:45

**Talk: Sherwood Richers (Beyond Isotropic Quantum Kinetics)****Session** | **Location:** Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København

15:00

## Wednesday 28 August

12:30

**Talk: Amol Patwardhan (Eigenvalues and Eigenstates of the Many-body Collective Neutrino Oscillation Hamiltonian)**

Session | Location: Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København

12:45

**Talk: Michael Cervia (Entanglement in Collective Neutrino Oscillations)**

Session | Location: Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København

13:00

**Talk: Ermal Rapaj (Exact Solution of Quantum Many-Body Collective Neutrino Flavor Oscillations)**

Session | Location: Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København

13:00

13:15

## Thursday 29 August

15:00	<b>Talk: Luke Johns (Self-interacting Sterile Neutrino Dark Matter)</b>
15:15	<b>Session   Location:</b> Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København
15:15	<b>Talk: Anna Suliga</b>
15:30	<b>Session   Location:</b> Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København
15:30	<b>Talk: Zewei Xiong (Physics of Active-Sterile Neutrino Oscillations in the Neutrino-driven Wind)</b>
15:45	<b>Session   Location:</b> Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København
15:45	<b>Talk: Meng-Ru Wu (Neutrinos and Compact Binary Mergers)</b>
16:00	<b>Session   Location:</b> Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København