

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

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

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

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

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

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

12:45

Talk: Michael Cervia (Entanglement in Collective Neutrino Oscillations)

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

13:00

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

13:15

Thursday 29 August

15:00

Talk: Luke Johns (Self-interacting Sterile Neutrino Dark Matter)**Session** | **Location:** Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København

15:15

15:15

Talk: Anna Suliga**Session** | **Location:** Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København

15:30

15:30

Talk: Zewei Xiong (Physics of Active-Sterile Neutrino Oscillations in the Neutrino-driven Wind)**Session** | **Location:** Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København

15:45

15:45

Talk: Meng-Ru Wu (Neutrinos and Compact Binary Mergers)**Session** | **Location:** Niels Bohr Institute, Auditorium A, Blegdamsvej 17, 2100 København

16:00