

Session Program

15-18 Apr 2024

World Quantum Days in IFIN-HH

WQD

Monday 15 April

10:15

WQD: Session 1

Session |

Location: Physics Library, the Hall at the first level, Physics Library, Atomistilor 407, 077125 Magurele, Ilfov, Romania

10:15-11:00 Quantum Reality from a Computer Scientist Perspective

Speaker

Prof. George P. Popescu

11:00-11:30

Quantum Key Distribution (QKD) - What it is, how it is done and why the Unique Opportunity is now

Speaker

Drd. Ing. Alin Popa

11:30-12:00 Simulation and Optimization of Photonic Quantum Devices

Speaker

Drd. Andrei Dragomir

12:00-12:30 Electron Capture as a Tool for Determining the Neutrino Mass

Speaker

Drd. Vasile Sevestrean

12:30

13:15

WQD: Session 2

Session |

Location: Physics Library, the Hall at the first level, Physics Library, Atomistilor 407, 077125 Magurele, Ilfov, Romania

13:15-13:45 Aspects of Relativistic Quantum Information

Speaker

Drd. Mădălin Calamanciu

13:45-14:15 Optimization of the Fluxonium Qubit

Speaker

Drd. Larisa-Milena Pioras-Timboles

14:15-14:45 Dynamics of Quantum Correlations based on Rényi-2 Entropy

Speaker

Mr Alexandru Chirvasa

14:45-15:15

Cubic Gravity Theory based on Third Order Contractions of the Riemann Tensor - Observational Constraints

Speaker

Mr. Mihai Dragomir

15:15

Thursday 18 April

10:00

WQD: Session 1

Session |**Location:** Physics Library, the Hall at the first level, Physics Library, Atomistilor 407, 077125 Magurele, Ilfov, Romania

10:00-10:45

Search for Departures from the Standard Quantum Mechanics in the Gran Sasso Underground Laboratory

Speaker

Prof. Cătălina Curceanu

10:45-11:30

Exact Transverse Momentum Distribution of Hadrons in Tsallis-3 Statistics

Speaker

Dr Alexandru Pârvan

11:30-12:15

Nuclear Pairing from Emulation and Neural Quantum States

Speaker

Prof. Chong Qi

12:15