



PhD seminar 2023

IEP SAS



Wednesday, June 28, 2023

Aula, Watsonova 47, Košice

8:30 – 8:45 Opening and actual information about PhD study

8:45 – 9:05 1st year:

8:45 – 8:55 **Viktória Fedorová** (BP)
Structural, functional and dynamic features of protein amyloid structures

8:55 – 9:05 **Ravneet Kaur** (AM)
Study of the atomic structure of materials with a high degree of disorder

9:05 – 10:05 2nd year:

9:05 – 9:20 **Kamil Goliaš** (CMP)
Classical to quantum crossover in mechanical resonators

9:20 – 9:35 **Filip Košuth** (CMP)
Study of superconductivity in topological materials

9:35 – 9:50 **Dmytro Miakota** (PEAM)
Self-organization in nanocomposites based on liquid crystals

9:50 – 10:05 **Kristina Zolochovska** (PEAM)
Biomedical and biotechnological applications of magnetic nanoparticles

10:05 – 10:30 Coffee break

10:30 – 10:45 3rd year:

10:30 – 10:45 **Oleksandr Podopryhora** (CMP)
Superfluid ³He-B as a model system for Q-bits

10:45 – 11:15 4th year:

10:45 – 11:00 **Marek Kuzmiak** (PEAM)
Superconductivity in strongly disordered systems

11:00 – 11:15 **Limpat Nulandaya** (AM)
Microwires with shape memory effect

11:15 Short session of supervisors, guarantees and members of Scientific Council IEP SAS

Explanatory notes:

AM - Advanced Materials (FS UPJS, guarantee: I. Škorvánek)

BP - Biophysics (FS UPJS, guarantee: A. Musatov)

CMP - Condensed Matter Physics (FS UPJS, guarantee: P. Samuely)

PEAM - Physical Engineering of Advanced Materials (FEI TUKE, guarantee: S. Gabáni)