

**Seminar of the Department of Low-Temperature Physics**  
**NFPL098, winter semester 2021/2022**

Seminar is held on **Monday at 2 p.m.** in the seminar room KFNT, **C 126** located in the building C (Kryopavilon) UK MFF, V Holešovičkách 2, Praha 8.

4.10. Jakub Čížek, KFNT MFF UK, *Lattice distortions in high entropy alloys characterized by positron annihilation spectroscopy*

11.10. Tomáš Kmječ, KFNT MFF UK *Hyperfine interactions and magnetic phase diagram in multiferroic perovskites  $Pb_{1-x}Ba_x(Fe_{0.5}Nb_{0.5})O_3$ ,  $x=0, 0,25, 0,5, 0,75, 1$*

18.10. Matěj Jakubík, KFNT MFF UK, *In-situ transmittance monitoring of effects in thin films,*  
Dejan Prokop, KFNT MFF UK, *Investigation of microstructure of black and reflective Al films*

25.10. Lenka Kubičková, KFNT MFF UK *Study of properties of iron-containing nanoparticles with special attention to medical applications.*

1.11. David Schmoranzer, KFNT MFF UK, *Quantum turbulence in oscillatory flows of He II*

8.11. Zhuolin Xie, KFNT MFF UK, *Micromechanical resonators as probes of superfluid turbulence*

15.11. Petr Hruška, KFNT MFF UK, *Amorphous and crystalline thin films of high entropy alloy HfNbTaTiZr*

22.11. Tým projektu START (Šimon Midlik, KFNT + další členové), projekt *Novel multiscale approach to the dynamics of superfluid helium*

29.11. Oldřich Zoubek, *Školení bezpečnosti práce*

6.12. Oleg V. Petrov, KFNT MFF UK, *The use of principal component analysis in NMR signal processing*

13.12. Mária Šoltésová, KFNT MFF UK, *Contrast agents in MRI*

20.12. Tomáš Vlasák, KFNT MFF UK, *Microstructural investigations of novel high entropy alloys*

prof. Mgr. Jakub Čížek, Ph.D

Doc. RNDr. Vojtěch Chlan, Ph.D.

Doc. RNDr. David Schmoranzer, Ph.D.