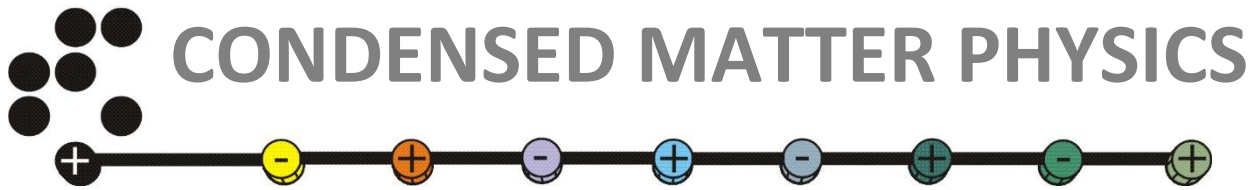


# F-5 SEMINAR



*Friday, September 29, 2023  
at 10:30 AM*

*in the seminar room of physics (room 106)  
Condensed Matter Physics, Jožef Stefan Institute*

***Luka Pirker, PhD***  
*Jožef Stefan Institute, Ljubljana*

## **Interactions between TMDCs and metals**

Metal-mediated exfoliation of transition metal dichalcogenides (TMDCs) has recently attracted considerable interest due to high yields of large size monolayer flakes. The van der Waals interaction between metals and TMDCs enables the exfoliation of large size monolayers but also alters their electronic and optical properties. In this seminar I will present our latest results on the interaction between MoS<sub>2</sub> and different metal substrates (Au, Ag, Pd, Cu, Ni, Co) which were studied with AFM, Kelvin probe force microscopy, micro- and tip enhanced Raman spectroscopy (TERS).

***You are cordially invited to attend.***