



# Let's give it a spin!

## Friday 23 May 2025

**friday morning - Science Technology Park (09:00 - 12:45)**

-Conveners: Srdjan Stavić

time	[id] title	presenter
09:00	[32] Towards Cryo-Spintronics	Prof. BLÜGEL, Stefan
09:30	[16] Orbitronics with magnetic 2D materials	MOKROUSOV, Yuriy
10:00	[22] Half-Metallic Transport in the Ferromagnetic van der Waals FGT Family	NELL, Declan
10:15	[19] Strain-tuning of spin anisotropy in single-layer phosphorene: insights from Elliott-Yafet and Dyakonov-Perel spin relaxation	JURECZKO, Paulina
10:30	Coffee break	
11:00	[11] Prospects for increasing the Curie temperature in monolayer $\text{CrI}_3$ by carrier doping	OROZOVIĆ, Marko
11:15	[27] Magnetic properties and electronic response of monolayer $\alpha\text{-NbSi}_2\text{N}_4$	MOŠKO, Timon
11:30	[10] Proximity-Induced Magnetic Phases in $\text{CrI}_2$ Monolayers Coupled to $\text{WSe}_2$	TAJKOV, Zoltán
11:45	[28] Switching of the magnetic anisotropy in hole-doped $\text{H-VTe}_2$ by spin-orbit splitting	EUSTE, John Lawrence
12:00	[3] AMaRaNTA: An AiiDA-based Workflow To Automate Calculations Of Exchange Parameters In 2D Magnets	ORLANDO, Federico
12:15	[13] ML based approach for calculating the dynamics of sulfur vacancies in monolayer $\text{MoS}_2$ : extensive study	HLOŽNÝ, Adam
12:30	[44] Exploring the magnetic landscape of easily-exfoliable two-dimensional materials	HADDADI, Fatemeh