New Trends in Thermal Phases of QCD (PBP 2.5)

May 7 – 11, 2026

Pan-European University, Ružinov Campus, Bratislava, Slovakia

Program

May 7, Thursday 19:30 Initial get-together

May 8, Friday

08:30 – 09:35	Roman Lietava	*Heavy ion physics: experimental overview*
09:35 – 10:40	Ivan Horváth	*The IR phase: firm, loose and open ends*
10:40 – 11:10	Coffee Break	
11:10 – 12:15	Ivan Soler-Calero	*Finite-temperature behaviour of Dirac eigenspectrum in lattice QCD: Towards UV dimensions of eigenmodes in the IR phase*
12:15 – 14:15	Lunch	
14:15 – 15:20	Tamás Kovács	*The far infrared mobility edge of the QCD Dirac spectrum*
15:20 – 15:50	Coffee Break	
15:50 – 16:55	Matteo Giordano	*Constraints on the Dirac spectrum and the fate of* $\mathrm{U}(1)_A$ *in the chirally symmetric phase of QCD*
16:55 – 18:00	Szabolcs Borsányi	*The finite baryon density frontier in lattice QCD*

May 9, Saturday

08:30 – 09:35	Lorenz Von Smekal	*Quark numbers and percolation of electric fluxes in QCD*
09:35 – 10:40	Robin Kehr	*QCD Anderson transition with overlap valence quarks and influence of external magnetic fields*
10:40 – 11:10	Coffee Break	
11:10 – 12:15	Owe Philipsen	*The QCD chiral transition and the dynamics of (would-be) Goldstone bosons*
12:15 – 14:15	Lunch	
14:15 – 15:20	Andrei Kotov	*Finite temperature QCD with chiral (overlap) fermions*
15:20 – 15:50	Coffee Break	
15:50 – 16:55	Ravi Shanker	*Effects of* $U_A(1)$ *and disorder in the Dirac spectrum of finite temperature QCD* [online]
16:55 – 18:00	Open discussion	

May 10, Sunday 9:00 – 11:30 Open discussion [interested parties]