

	Tuesday 29/09	Wednesday 30/09	Thursday 01/10	Friday 02/10
8.30 – 9.00	Registration			
9.00 – 10.20 1h talk + 20m discussion	Dénes Sexty Solving the sign problem with the complex Langevin equation	Luigi Scorzato The Lefschetz thimble and the sign problem	Kurt Langfeld Dense matter QFT with the density-of-states method	Uwe-Jens Wiese Addressing Sign Problems by Quantum Simulation
10.20 – 10.50	coffee break	coffee break	coffee break	coffee break
10.50 – 11.40 30m talk + 20m discussion	I.-O. Stamatescu Complex Langevin Simulations and Non-Holomorphic Drifts	Semen Valgushev Complex saddle points in the Gross-Witten matrix model	Tobias Rindlisbacher Improved Mean-Field Method for Lattice QCD at Finite Density	Florian Hebenstreit Real-time dynamics of open quantum spin systems driven by dissipative processes
11.40 – 12.30 30m talk + 20m discussion	Keitaro Nagata A new method for fermionic singular-drift problem in the complex Langevin method	Andrei Alexandru Lefschetz thimble for a simple model	Pavel Buividovich Diagrammatic Monte-Carlo algorithms for large-N quantum field theories from Schwinger-Dyson equations	Christian Schmidt Cumulants ratios of conserved charge fluctuations: A comparison of lattice QCD and beam energy scan results
12.30 – 14.30	lunch break	lunch break	lunch break	lunch break
14.30 – 15.20 30m talk + 20m discussion	S. Schmalzbauer Complex Langevin Dynamics in 1+1D QCD at finite densities	S. Chandrasekharan Sign problems with unconventional four-fermion couplings and their solutions	Tin Sulejmanpasic Particle interactions and scattering phase-shifts from finite density and dual variables	Wolfgang Unger Towards higher order gauge corrections to the QCD phase diagram at strong coupling
15.20 – 16.10 30m talk + 20m discussion	Felipe Attanasio Systematic Study of Dynamic Stabilisation for Complex Langevin Dynamics	Panel discussion on Complex Langevin	Terukazu Ichihara Baryon number cumulant ratios in strong coupling lattice QCD	David Mesterhazy Thermodynamic singularities of QCD in the complex baryochemical potential plane and the extended analyticity conjecture
16.10 – 17.00 30m talk + 20m discussion		Tour of Atomki	Falk Bruckmann Positivity of center subsets for QCD	Helvio Vairinhos Diagrammatic compact lattice QED
19.30 –		Social Dinner		

Practical Information

Reaching Atomki Atomki is along the tramline n. 1, in between the stops Bem tér and Wesszprémy utca. The main entrance is from Poroszlay út (see map).



Talks We recommend that the speakers use the laptop available in the lecture room for their talks, uploading the slides before their session. If this is not possible for some reason, personal laptops can be used as well.

Lunch Restaurants at walking distance from Atomki include “Calico Jack” (Bem tér 15), “Mátyás Pince” (Péterfia utca 61), “Pálma” (Simonyi út 44), “Mélange” (Egyetem sugárút 56), “Expressz Pizza” (Lisznyai utca 4).

Social dinner The social dinner will take place on Wednesday, September 30, at the restaurant “Ikon” (Piac utca 23). The restaurant is at walking distance from the tram stops “Kossuth tér” (walking towards the train station) and “Városháza” (walking away from the train station) of tramline n. 1. Free drinks include an unlimited supply of soft drinks, and a few bottles of wine; anything on top of this has to be paid separately.