QCD (Wednesday am)

09:45-10:00 10:00-10:40 10:50-11:30	Gert Aarts Lingxiao Wang Simran Singh	Opening Learning hadron interactions from lattice QCD Testing machine learning against finite size scaling for the chiral
12:30	Lunch	phase transition
Flow I (Wedne	esday pm)	
14:00-14:40 14:50-15:30	Elia Cellini Alessandro Nada	Stochastic normalizing flows for new theories and observables Sampling SU(3) pure gauge theory with out-of-equilibrium evolutions and stochastic normalizing flows
15:40-16:20	Ankur Singha	Multilevel sampling of lattice theories using RG-inspired autoregressive models
Sign problem, topology (Thursday am)		
09:30-10:10	Tej Kanwar	Neural-network contour deformations for the signal-to-noise
10:20-11:00 11:30-12:10	Alexander Rothkopf Biagio Lucini	Learning optimal kernels for real-time complex Langevin Topological data analysis for lattice gauge theories
12:30	Lunch	
Flow II (Thursday pm)		
14:00-14:40 14:50-15:30	Ryan Abbott Fernando Romero Lop	Progress in normalizing flows for 4d gauge theories bez Applications of flow models to the generation of correlated lattice OCD ensembles
16:00-16:40	Mathis Gerdes	Exploring continuous normalizing flows for gauge theories
Gauge theories, spin glass (Friday am)		
09:30-10:10	Akio Tomiya	MLPhys in Japan and developments of CASK: Gauge symmetric transformer
10:20-11:00	David Müller	Lattice simulations with machine-learned classically perfect fixed-point actions
11:30-12:10	Chanju Park	Empirical phase diagram of neural networks and spin glass theory
12:30	Lunch	
Generative ne	etworks, random matr	ix theory (Friday pm)
14:00-14:40	Tomasz Stebel	Entanglement entropy with generative neural networks
14:50-15:10	Shiyang Chen	Exploring generative networks for manifolds with non-trivial topology
15:40-16:20	Gert Aarts	Weight matrix dynamics and Dyson Brownian motion
16:30-16:50	Matteo Favoni	Towards the application of random matrix theory to neural

networks