

A Virtual Tribute to Quark Confinement and the Hadron Spectrum 2021

Monday, August 2, 2021

Parallels Track H: Parallel I (5:00 PM - 6:00 PM)

time	[id]	title	presenter
5:00 PM	M11	Review of statistical practices in CMS	MARINI, Andrea Carlo
5:30 PM	M13	Statistical methods at LHCb	KENZIE, Matthew

Tuesday, August 3, 2021

Parallels Track H: Parallel II (9:00 AM - 10:00 AM)

time	[id]	title	presenter
9:00 AM	M6	Tensor Renormalization Group for interacting quantum fields	LOPEZ, Esperanza
9:20 AM	M7	High-energy physics at ultracold temperatures	GONZÁLEZ CUADRA, Daniel
9:40 AM	M8	Collective Monte Carlo updates through tensor network renormalization	Dr IBLISDIR, Sofyan

Wednesday, August 4, 2021

Parallels Track H: Parallel III (5:00 PM - 6:00 PM)

time	[id] title	presenter
5:00 PM	[M145] Machine learning regression and error quantification for lattice QCD Monte Carlo observables	YOON, Boram
5:20 PM	[M112] Progress towards dynamical fermions in flow-based MCMC for lattice ensemble generation	KANWAR, Gurtej
5:40 PM	[M111] Finding the deconfinement temperature in lattice Yang-Mills theories from outside the scaling window with machine learning	Mr GERASIMENUIK, Nikolai

Thursday, August 5, 2021

Parallels Track H: Parallel IV (9:00 AM - 10:00 AM)

time	[id] title	presenter
9:00 AM	[M04] RanBox: Anomaly Detection in the Copula Space	DORIGO, Tommaso
9:20 AM	[M05] Unfolding by Folding: a Bayesian resampling approach to the problem of matrix inversion without actually inverting any matrix	VISCHIA, Pietro
9:40 AM	[M51] Deep Reinforcement Learning based numerical analytic continuation of one-loop diagrams	WINDISCH, Andreas

Parallels Track H: Parallel V (10:10 AM - 11:10 AM)

time	[id] title	presenter
10:10 AM	[M1] Mitigation of systematic errors induced biases in ML-based selection	MATORRAS, Francisco
10:30 AM	[M12] Effect of Systematic Uncertainty Estimation on the Muon $g-2$ Anomaly	COWAN, Glen
10:50 AM	[M5] Evaluating extremely low p-values with importance sampling techniques in discovery-oriented HEP analyses.	MATORRAS, Francisco

Friday, August 6, 2021

Parallels Track H: Parallel VI (2:30 PM - 3:30 PM)

time	[id] title	presenter
2:50 P	[M7] Preserving gauge invariance in neural networks	MÜLLER, David
3:10 P	[M2] Equivariance and generalization in neural networks	FAVONI, Matteo

Parallels Track H: Parallel VII (3:40 PM - 4:40 PM)

time	[id] title	presenter
3:40 P	[M72] Highlights of gradient methods for simulation-based inference	USTYUZHANIN, Andrey
4:00 P	[M10] Detector Reconstruction and Fast Simulation in High-Energy Physics using Graph Generative Models	Mrs DYACHKOVA , Darya
4:20 P	[M39] Machine learning for Lattice QCD	Dr AKIO, Tomiya