Session Program

2-6 Aug 2021

A Virtual Tribute to Quark Confinement and the Hadron Spectrum 2021

Parallels Track H

online

Monday 2 August

7:00	Parallels Track H: Parallel I Session Location: online
	17:00-17:30 Review of statistical practices in CMS Speaker Andrea Carlo Marini
8:00	17:30-18:00 Statistical methods at LHCb Speaker Matthew Kenzie

Tuesday 3 August

	arallels Track H: Parallel II ession Location: online
	09:00-09:20 Tensor Renormalization Group for interacting quantum fields
	speaker speranza Lopez
	09:20-09:40 High-energy physics at ultracold temperatures
	Speaker Daniel González Cuadra
	09:40-10:00
C	ollective Monte Carlo updates through tensor network renormalization
	i peaker Dr Sofyan Iblisdir

Wednesday 4 August

17:00 Parallels Track H: Parallel III Session | Location: online 17:00-17:20 Machine learning regression and error quantification for lattice QCD Monte Carlo observables Speaker Boram Yoon 17:20-17:40 Progress towards dynamical fermions in flow-based MCMC for lattice ensemble generation Speaker Gurtej Kanwar 17:40-18:00 Finding the deconfinement temperature in lattice Yang-Mills theories from outside the scaling window with machine learning Speaker Mr Nikolai Gerasimenuik 18:00

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Thursday 5 August

09:00-09:20	RanBox: Anomaly Detection in the Copula Space
Speaker	
Tommaso Dor	igo
09:20-09:40	
-	by Folding: a Bayesian resampling approach to the problem of matrix
inversion v	without actually inverting any matrix
Speaker Pietro Vischia	
Pletro vischia	
09:40-10:00	
Deep Rein	forcement Learning based numerical analytic continuation of one-loop
diagrams	
Speaker	
Andreas Wind	lisch
Parallels	Track H: Parallel V
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Session Loo 10:10-10:30 Speaker Francisco Mat 10:30-10:50 Effect of S Speaker Glen Cowan 10:50-11:10 Evaluating	cation: online Mitigation of systematic errors induced biases in ML-based selectio corras ystematic Uncertainty Estimation on the Muon \$g-2\$ Anomaly extremely low p-values with importance sampling techniques in

Friday 6 August

Parallels Session Loc	Track H: Parallel VI ration: online
14:50-15:10	Preserving gauge invariance in neural networks
Speaker David Müller	
15:10-15:30	Equivariance and generalization in neural networks
Speaker Matteo Favoni	
Parallels Session Loc	Track H: Parallel VII ation: online
15:40-16:00	Highlights of gradient methods for simulation-based inference
Speaker Andrey Ustyuz	hanin
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Andrey Ustyuz	econstruction and Fast Simulation in High-Energy Physics using Graph
Andrey Ustyuz 16:00-16:20 Detector R	econstruction and Fast Simulation in High-Energy Physics using Graph Models
Andrey Ustyuz 16:00-16:20 Detector Ro Generative Speaker	econstruction and Fast Simulation in High-Energy Physics using Graph Models achkova
Andrey Ustyuz 16:00-16:20 Detector Ro Generative Speaker Mrs Darya Dya	econstruction and Fast Simulation in High-Energy Physics using Graph Models achkova