The 38th International Symposium on Lattice Field Theory

Wednesday 28 July 2021

Poster: A1--C10 in Gather Poster Room 1 (08:00 - 09:00)

[id] title	presenter	board
[473] A1: Investigations of supersymmetric Yang--Mills theories	SHERLETOV, Angel	
[479] A2: Supercurrent renormalization in N = 1 Supersymmetric Yang-Mills Theory	SKOUROUPATHIS, Apostolos SOLER CALERO, Ivan	
[655] A9: P-Wave Two-Body Bound and Scattering States in a Finite Volume including QED	STELLIN, Gianluca MEISSNER, Ulf-G.	
[551] A8: 2021 update of ε_K with lattice QCD inputs	LEE, Weonjong	
[439] A7: Evaluation of SU(3) smearing on FPGA accelerator cards	KORCYL, Grzegorz	
[349] A6: LatticeQCD.jl: Lattice QCD code with Julia	TOMIYA, Akio	
[161] A5: Two-grid overlap solver in lattice QCD	Dr XHAKO, Dafina	
[56] A4: Towards the determination of sigma terms for the baryon octet in $N_\mathrm{f} = 2+1$ QCD with Wilson quarks	PETRAK, Pia Leonie Jones	
[19] A3: Grid Python Toolkit (GPT)	LEHNER, Christoph	
[558] C8: Advances in lattice hadron physics calculations using the gradient flow	Dr ZANOTTI, James	
[557] C7: Temporal Contact Terms in Lattice Feynman-Hellmann Methods	HANNAFORD GUNN, Alec	
[495] C6: Using weighted averaging methods in measurements of $SU(3)_{f}$ symmetry breaking in B meson decay constants	Ms DE LA MOTTE, Shanette	
[485] C5: QCD topology and axion's properties from Wilson twisted mass lattice simulations	TRUNIN, Anton	
[474] C4: Algorithms for quantum state preparation in the Schwinger Model	PEDERIVA, Giovanni	
[472] C3: Progress report on computing the disconnected QCD and the QCD plus QED hadronic contributions to the muon's anomalous magnetic moment.	Dr MCNEILE, Craig	
[469] C2: SU(2) gauge theory with N_f = 24 fermions at finite mass	SALAMI, Ahmed	
[460] C1: Hybrid stochastic method for the tensor renormalization group	OHKI, Hiroshi TOMII, Masaaki	
[420] B10: The chiral phase transition from strong to weak coupling	D'AMBROSIO, Alfredo	
[366] B9: Infrared physics of the SU(2) Georgi-Glashow phase transition	WEIR, David	
[364] B8: Finite temperature phase transition for three flavor QCD with Möbius-domain wall fermions	NAKAMURA, Yoshifumi	
[350] B7: Machine Learning Approximated Nucleon Matrix Elements with Domain Wall Fermions	TOMIYA, Akio	
[312] B6: Density of states for gravitational waves	SPRINGER, Felix	
[191] B4: A new framework to tune an improved relativistic heavy-quark action	GIUSTI, Davide	
[145] B3: Flux tube profiles in two-color QCD at low temperature and high density	ISHIGURO, Katsuya	
[131] B2: Latent heat and pressure gap at the first-order deconfining phase transition of SU(3) Yang–Mills theory using the small flow-time expansion method	KANAYA, Kazuyuki	

[id] title	presenter	board
[78] B1: What is chiral susceptibility probing?	FUKAYA, Hidenori	
[59] A10: Precision bottomonium properties and b quark mass from lattice QCD+QED	DAVIES, Christine	

Poster: D1--F10 in Gather Poster Room 2 (15:00 - 16:00)

[id] title	presenter	board
[597] D1: The Evolution of Lattice Field Theory: a Statistical Study	BIETENHOLZ, Wolfgang	
[455] D2: Topology of the $O(3)$ non-linear sigma model under the gradient flow	THOMAS, Stuart	
[174] D3: Calculation of the Fermi Velocity renormalization in graphene	Dr ULYBYSHEV, Maksim	
[657] D10: Measuring charged particle polarizabilities on the lattice without background fields	LEE, Frank WILCOX, Walter	
[610] D9: Use tensor cores to accelerate math intensive kernels in QUDA	TU, Jiqun	
[494] D8: Evaluation of OpenMP for Portable CPU and GPU Programming with GridMini	LIN, Meifeng	
[431] D7: $B_s \to D^{(*)}_s$ form factors from lattice QCD with ${\rm N_f}=2$ Wilson-clover quarks	NEUENDORF, Jan	
[246] D6: Is there gender/race bias in hep-lat publications?	LIN, Huey-Wen	
[239] D5: Grid: OneCode and FourAPIs	YAMAGUCHI, Azusa	
[148] D4: Grid on QPACE 4	MEYER, Nils	
[617] F9: Finite Volume Study of Flavor Singlet Scalar Meson in SU(3) Nf=8 Gauge Theory	FLEMING, George	
[615] F8: Algebraic Spectroscopy of Frequency Space Correlation Functions	TSAI, Sebastian	
[614] F7: Strategies for Quantum-Accelerated Interpolator Construction in Classical Simulations of Lattice Field Theories	AVKHADIEV, Artur	
[601] F6: Machine Learning versus Critical Slowing Down: Investigations into Sampling with Machine-Learned Trivializing Maps	MARSH ROSSNEY, Joe	
[590] F5: Electromagnetic effects in charged pion decay	RAKOW, Paul	
[580] F4: HMC with Normalizing Flows	FOREMAN, Sam	
[562] F3: Bottomonium spectral widths at non-zero temperature using maximum likelihood	SPRIGGS, Thomas	
[544] F2: (2+1+1)-flavor QCD equation of state on coarse lattices	Dr WEBER, Johannes Heinrich	
[478] F1: Neural Network Preconditioning for U(1) Wilson-type Dirac Operators	XIAO, Brian LIN, Yin	
[423] E10: Machine learning approaches to the QCD transition	PALERMO, Andrea	
[372] E9: Lattice artefacts on the Landau gauge gluon propagator from hypercubic tensor representations	CATUMBA, Guilherme	
[294] E8: Short-distance nuclear matrix elements for neutrinoless double beta decay	OARE, Patrick	
[289] E7: Efficiency Study of Overrelaxation and Stochastic Overrelaxation Algorithms for SU(3) Landau Gauge-Fixing	MARQUES LEAL JUNIOR, Jesuel	
[287] E6: x-dependence of twist-3 GPDs from lattice QCD	DODSON, Jack	
[286] E5: Pion and Kaon form factors using twisted-mass fermions	DELMAR, Joseph	

[270] E4: Performance of several Lanczos eigensolvers with HISQ fermions	JEONG, Hwancheol	
[186] E3: Field-Transformation HMC algorithm	JIN, Luchang	
[182] E2: Tensor network formulation of massless lattice Schwinger model	Dr BUTT, Nouman	
[90] E1: Effective Z_3 model for finite density QCD with tensor networks	UNMUTH-YOCKEY, Judah	