

32nd International Symposium on Lattice Field Theory (Lattice 2014)

Monday 23 June 2014 - Saturday 28 June 2014

Columbia University

Program

Monday 23 June 2014

Plenary - Roone Arledge Auditorium (09:00-10:45)

- Conveners: Fodor, Zoltan

09:00	[52] Conference opening (00h15')	G. Michael Purdy, EVP for Research
09:15	[73] Hadron Structure (00h45')	CONSTANTINOU, Martha
10:00	[74] Heavy Flavors (00h45')	BOUCHARD, Chris

Plenary - Roone Arledge Auditorium (11:15-12:30)

- Conveners: Münster, Gernot

11:15	[75] Recent results on topology on the lattice (in memory of Pierre van Baal) (00h30')	MUELLER-PREUSSKER, Michael
11:45	[76] Finite Temperature ($\mu=0$) (00h45')	BAZAVOV, Alexei

Early Parallel Sessions: 23 June 2014

Nonzero temperature and Density: Parallel 1A - 501 NWC (14:15-15:55)

- Conveners: Ejiri, Shinji

14:15	[66] Curvature of the QCD critical line with 2+1 HISQ fermions (00h20')	COSMAI, Leonardo
14:35	[296] The curvature of the QCD critical line from analytic continuation (00h20')	MESITI, Michele
14:55	[367] Phase diagram of QCD at finite isospin chemical potential with Wilson fermions (00h20')	NONAKA, Chiho
15:15	[384] QCD with Wilson fermions and isospin chemical potential at finite and zero temperature (00h20')	RINDLISBACHER, Tobias
15:35	[11] Status of the SU3 Lambda Scale (00h20')	BERG, Bernd

Hadron spectroscopy and interaction: Parallel 1B - 428 Pupin (14:15-15:55)

- Conveners: Aoki,inya

14:15	[70] Pion-pion scattering phase shifts with the stochastic LapH method (00h20')	FAHY, Brendan
14:35	[190] Pi-Pi Scattering with $N_f=2+1+1$ Twisted Mass Fermions (00h20')	KNIPPSCHILD, Bastian
14:55	[125] Lattice study of pion-pion scattering using $N_f=2+1$ Wilson improved quarks with masses down to their physical values. (00h20')	METIVET, Thibaut
15:15	[130] K-pi scattering lengths at physical kinematics (00h20')	JANOWSKI, Tadeusz
15:35	[181] Resonances in pi-K scattering (00h20')	WILSON, David

Physics beyond the standard model: Parallel 1C - 214 Pupin (14:15-15:55)

- Conveners: Lucini, Biagio

14:15	[44] Models of Walking Technicolor on the Lattice (00h20')	SINCLAIR, Donald
14:35	[142] Phase Structure Study of SU(2) Lattice Gauge Theory with 8 flavours (00h20')	HUANG, Cynthia Yu-Han
14:55	[276] SU(2) gauge theory with many flavors of domain-wall fermions (00h20')	MATSUFURU, Hideo
15:15	[278] Approaching Conformality (00h20')	NUNES DA SILVA, Tiago Jose
15:35	[289] Walking technicolor: testing infra-red conformality with exact results in two dimensions (00h20')	AKERLUND, Oscar

Hadron Structure: Parallel 1D - 301 Pupin (14:15-15:55)

- Conveners: Marinkovic, Marina

14:15	[103] A new strategy for evaluating the LO HVP contribution to $(g-2)_\mu$ on the lattice (00h20')	MALTMAN, Kim
14:35	[387] The leading hadronic contribution to $(g-2)$ of the muon: The chiral behavior using the mixed representation method (00h20')	FRANCIS, Anthony
14:55	[298] The leading disconnected contribution to the anomalous magnetic moment of the muon (00h20')	GUELPERS, Vera
15:15	[267] The strange and charm quark contributions to the anomalous magnetic moment $(g-2)$ of the muon from current-current correlators (00h20')	CHAKRABORTY, Bipasha
15:35	[426] Lattice Calculation of the Hadronic Light by Light Contributions to the Muon Anomalous Magnetic Moment (00h20')	JIN, Luchang

Nonzero temperature and Density: Parallel 1E - 329 Pupin (14:15-15:55)

- Conveners: Gattringer, Christof

14:15	[306] Chiral restoration and deconfinement in two-color QCD with two flavors of staggered quarks (00h20')	SCHEFFLER, David
14:35	[273] Effective SU(2) Polyakov Loop Theories with Heavy Quarks on the Lattice (00h20')	SCIOR, Philipp
14:55	[178] The effective Polyakov loop theory for finite temperature Yang-Mills theory and QCD (00h20')	BERGNER, Georg
15:15	[290] Lattice simulations of G2-QCD at finite density I (00h20')	VON SMEKAL, Lorenz
15:35	[279] Lattice simulations of G2-QCD at finite density II (00h20')	WELLEGEHAUSEN, Bjoern

Algorithms and Machines: Parallel 1F - 415 Shapiro (14:15-15:55)

- Conveners: Clark, Mike

14:15	[43] Dynamical QCD+QED simulation with staggered quarks (00h20')	ZHOU, Ran
14:35	[411] Application of Adaptive Multigrid Algorithm in Hybrid Monte Carlo Simulations (00h20')	LIN, Meifeng
14:55	[392] Diffusion of topological charge and scaling of autocorrelation times in hybrid Monte Carlo simulations of lattice QCD (00h20')	MCGLYNN, Greg
15:15	[67] Multigrid Preconditioning for the Overlap Operator (00h20')	ROTTMANN, Matthias
15:35	[403] The FUEL code project (00h20')	OSBORN, James

Chiral Symmetry: Parallel 1G - 140 Uris (14:15-15:55)

- Conveners: Golterman, Maarten

14:15	[47] Phase Diagram of Wilson and Twisted Mass Fermions at finite isospin chemical potential (00h20')	KIEBURG, Mario
14:35	[134] Phase diagram of non-degenerate twisted mass fermions (00h20')	HORKEL, Derek
14:55	[422] Individual eigenvalue distributions for chGSE-chGUE crossover and determination of low-energy constants in two-color QCD+QED (00h20')	NISHIGAKI, Shinsuke M.
15:15	[119] Mesons upon low-lying Dirac mode exclusion (00h20')	DENISSENYA, Mikhail
15:35	[274] Fine lattice simulations with the Ginsparg-Wilson fermions (00h20')	NOAKI, Junichi

Late Parallel Sessions: Monday 23 June 2014

Nonzero temperature and Density: Parallel 2A - 501 NWC (16:30-18:30)

- Conveners: Levkova, Ludmila

16:30	[240] Fluctuations of the electric charge in theory and experiment (00h20')	BORSANYI, Szabolcs
16:50	[382] Thermodynamics of heavy-light hadrons (00h20')	DING, Heng-Tong
17:10	[357] Exploring the QCD phase diagram with conserved charge fluctuations (00h20')	SCHMIDT, Christian
17:30	[421] Fluctuation effects on QCD phase diagram at strong coupling (00h20')	ICHIHARA, Terukazu
17:50	[287] On curing the divergences in the quark number susceptibility (00h20')	GAVAI, Rajiv
18:10	[389] The Combinatorics of Lattice QCD at Strong Coupling (00h20')	UNGER, Wolfgang

Hadron spectroscopy and interaction: Parallel 2B - 428 Pupin (16:30-18:30)

- Conveners: Petschlies, Marcus

16:30	[235] Charm in Lattice QCD with Domain-Wall Fermion (00h20')	CHIU, Ting-Wai
16:50	[236] Hadron spectra and Δ_{mix} from overlap quarks on a HISQ sea. (00h20')	LYTLE, Andrew
17:10	[110] Spectroscopy of charmed baryons from lattice QCD (00h20')	MADANAGOPALAN, Padmanath
17:30	[197] Low lying charmonium states at the physical point (00h20')	MOHLER, Daniel
17:50	[72] DK and $D^* K$ scattering near threshold (00h20')	LANG, C. B.
18:10	[437] Conserved currents and results from 2+1f dynamical Mobius DWF simulations at the physical point (00h20')	BOYLE, Peter

Physics beyond the standard model: 2C - 214 Pupin (16:30-18:30)

- Conveners: Del Debbio, Luigi

16:30	[419] Higgs physics near the conformal window (00h20')	KUTI, Julius
16:50	[233] The low mass scalar impostor and the composite Higgs (00h20')	WONG, chik him
17:10	[404] Testing composite Higgs models on the lattice (00h20')	RINALDI, Enrico
17:30	[299] Targeting the Conformal Window: Measuring the 0^{++} Scalar (00h20')	WEINBERG, Evan
17:50	[324] Gauge and Higgs boson masses from an extra dimension (00h20')	MOIR, Graham
18:10	[126] Composite (Goldstone) Higgs Dynamics on the Lattice: Spectrum of SU(2) Gauge Theory with two Fundamental Fermions (00h20')	HIETANEN, Ari

Hadron Structure: Parallel 2D - 301 Pupin (16:30-17:30)

- Conveners: Detmold, Will

16:30	[314] Decay constants of the pion and its excitations on the lattice (00h20')	MASTROPAS, Ekaterina
16:50	[169] Volume effects on the method of extracting form factors at zero momentum (00h20')	TIBURZI, Brian
17:10	[57] ΠN Sigma Term and Scalar Form Factor from Overlap Fermion (00h20')	LIU, Keh-Fei

Nonzero temperature and Density: Parallel 2E - 329 Pupin (16:30-18:30)

- Conveners: Stamatescu, Ion-Olimpiu

16:30	[45] Deconfinement transition as a black hole formation by the condensation of QCD string (00h20')	HANADA, Masanori
16:50	[377] Gluonic Correlations at Deconfinement (00h20')	MENDES, Tereza
17:10	[9] Locating the critical end-point of QCD (00h20')	FISCHER, Christian
17:30	[60] Quark number density at imaginary chemical potential and its extrapolation to large real chemical potential by the effective model (00h20')	TAKAHASHI, Junichi
17:50	[352] Temperature dependence of meson screening masses; a comparison of effective model with lattice QCD (00h20')	ISHII, Masahiro
18:10	[217] Renormalization group flow of linear sigma model with UA(1) anomaly (00h20')	SATO, Tomomi

Algorithms and Machines: Parallel 2F - 415 Shapiro (16:30-18:30)

- Conveners: Osborn, James

16:30	[260] CLS 2+1 flavor simulations (00h20')	KORCYL, Piotr
16:50	[397] Adaptive Multigrid Solvers for LQCD on GPUs (00h20')	CLARK, M
17:10	[194] Extending the QUDA library with the EigCG solver (00h20')	STRELCHENKO, Alexei
17:30	[302] Achieving strong scaling in many-GPU calculations in lattice QCD (00h20')	FOLEY, Justin
17:50	[168] Coulomb and Landau Gauge Fixing in GPUs using CUDA and MILC (00h20')	CARDOSO, Nuno
18:10	[270] Staggered Dslash Performance on Intel Xeon Phi Architecture (00h20')	LI, Ruizi

Weak Decays and Matrix Elements: Parallel 2G - 140 Uris (16:30-18:30)

- Conveners: Juettner, Andreas

16:30	[243] Calculation of $K \rightarrow \pi$ decay amplitudes with improved Wilson fermion in 2+1 flavor lattice QCD (00h20')	ISHIZUKA, Naruhito
16:50	[380] Lattice Measurement of the $\Delta I=1/2$ Contribution to Standard Model Direct CP-Violation in $K \rightarrow \pi$ Decays at Physical Kinematics: Part I (00h20')	KELLY, Christopher
17:10	[388] Lattice Measurement of the $\Delta I=1/2$ Contribution to Standard Model Direct CP-Violation in $K \rightarrow \pi$ Decays at Physical Kinematics: Part II (00h20')	ZHANG, Daiqian
17:30	[334] Rare kaon decays from lattice QCD (00h20')	FENG, Xu
17:50	[359] $K_L - K_S$ mass difference computed with a 171 MeV pion mass (00h20')	BAI, Ziyuan
18:10	[409] The Kaon Semileptonic Form Factor from Domain Wall QCD at the Physical Point (00h20')	MURPHY, David

Tuesday 24 June 2014

Plenary - Roone Arledge Auditorium (09:00-10:45)

- Conveners: Ukawa, Akira

09:00	[77] K/pi physics (00h45')	GARRON, Nicolas
09:45	[78] Validity of ChPT -- is $M_\pi=135\text{MeV}$ small enough ? (00h30')	DURR, Stephan
10:15	[88] Multigrid for Lattice QCD (00h30')	FROMMER, Andreas

Plenary - Roone Arledge Auditorium (11:15-12:30)

- Conveners: Edwards, Robert

11:15	[93] Few-body physics (00h30')	BRICENO, Raul
11:45	[81] Hadronic Interaction (00h45')	YAMAZAKI, Takeshi

Early Parallel Sessions: Tuesday 24 June 2014

Nonzero temperature and Density: Parallel 3A - 501 NWC (14:15-15:55)

- Conveners: Gavai, Rajiv

14:15	[170] The $N_f=3$ critical endpoint with smeared staggered quarks (00h20')	VARNHORST, Lukas
14:35	[202] Update on the critical endpoint of the finite temperature phase transition for three flavor QCD with clover type fermions (00h20')	NAKAMURA, Yoshifumi
14:55	[231] Scalar correlators near the 3-flavor thermal critical point (00h20')	JIN, Xiao-Yong
15:15	[200] Critical end point in $N_f=3$ QCD with finite density and temperature (00h20')	TAKEDA, Shinji
15:35	[395] Search for the chiral phase transition in three flavor QCD at imaginary chemical potential (00h20')	TOTH, Balint

Hadron spectroscopy and interaction: Parallel 3B - 428 Pupin (14:15-15:55)

- Conveners: Chandrasekharan, Shailesh

14:15	[132] Relativistic three-particle quantization condition: an update (00h20')	SHARPE, Stephen
14:35	[185] On the extraction of spectral quantities with open boundary conditions. (00h20')	BRUNO, Mattia
14:55	[293] Gradient Flow Analysis on MILC HISQ Ensembles (00h20')	BROWN, Nathan
15:15	[342] Simulating two dimensional two-color QCD using purely bosonic variables (00h20')	AUGUST, Daniel
15:35	[304] Radial and orbital excitation energies of charmonium (00h20')	GALLOWAY, Ben

Physics beyond the standard model: Parallel 3C - 214 Pupin (14:15-15:55)

- Conveners: Lin, David

14:15	[408] Beyond the Standard Model Kaon Mixing from Mixed-Action Lattice Simulations (00h20')	HANSEN, Maxwell
14:35	[339] Beyond the Standard Model Matrix Elements with the gradient flow (00h20')	SHINDLER, Andrea
14:55	[208] Flavor-Diagonal CP Violation from Beyond the Standard Model Physics (00h20')	ABRAMCZYK, Michael

Hadron Structure: Parallel 3D - 301 Pupin (14:15-15:55)- Conveners: **Orginos, Kostas**

14:15	[413] Initial nucleon structure results with chiral quarks at the physical point (00h20')	SYRITSYN, Sergey
14:35	[264] News from hadron structure calculations with twisted mass fermions (00h20')	WIESE, Christian
14:55	[313] Nucleon and pion structure in $n_f=2$ QCD (00h20')	BALI, Gunnar
15:15	[56] Hadron mass decomposition from Lattice QCD (00h20')	YANG, yibo
15:35	[317] Quark Spin in the Nucleon with Overlap Fermion (00h20')	GONG, Ming YANG, yibo

Theoretical Developments: Parallel 3E - 329 Pupin (14:15-15:55)- Conveners: **Endres, Michael G**

14:15	[46] Polyakov Loop Correlations at Large N (00h20')	NEUBERGER, Herbert
14:35	[355] TEK twisted gradient flow running coupling (00h20')	KEEGAN, Liam
14:55	[341] Testing volume independence of large N gauge theories on the lattice (00h20')	GONZALEZ-ARROYO, Antonio
15:15	[234] Temperature dependence of the chiral condensate in the Schwinger model with Matrix Product States (00h20')	SAITO, Hana
15:35	[96] Grassmann Tensor Renormalization Group Study of Lattice QED with Theta Term in Two Dimensions (00h20')	SHIMIZU, Yuya

Vacuum Structure and Confinement: Parallel 3F - 415 Schapiro (14:15-15:55)- Conveners: **Greensite, Jeff**

14:15	[166] Confinement, the Abelian Decomposition, and the Contribution of Topology to the Static Quark Potential (00h20')	CUNDY, Nigel
14:35	[412] Deconfinement, Chiral Symmetry Breaking and Chiral Polarization (00h20')	HORVATH, Ivan
14:55	[1] Instanton-dyons induce both the chiral symmetry breaking and confinement (00h20')	SHURYAK, Edward
15:15	[59] Vacuum alignment and lattice artifacts (00h20')	GOLTERMAN, Maarten
15:35	[218] Partial restoration of chiral symmetry inside hadrons (00h20')	IRITANI, Takumi

Standard model parameters and renormalization: Parallel 3G - 207 Math (14:15-15:55)- Conveners: **von Hippel, Georg**

14:15	[237] A perturbative study of the chirally rotated Schrödinger functional in QCD (00h20')	VILASECA MAINAR, Pol
14:35	[159] A dynamical study of the chirally rotated Schrödinger functional in QCD (00h20')	DALLA BRIDA, Mattia
14:55	[284] Non perturbative renormalization and running of Delta F=2 four-fermion operators in the SF scheme. (00h20')	PAPINUTTO, Mauro
15:15	[331] Non-perturbative improvement of the axial current in $N_f=3$ lattice QCD (00h20')	HEITGER, Jochen
15:35	[333] Non-perturbative renormalization of the axial current in $N_f=3$ lattice QCD (00h20')	WITTEMEIER, Christian

Late Parallel Sessions: Tuesday 24 June 2014

Nonzero temperature and Density: Parallel 4A - 501 NWC (16:30-18:10)

- Conveners: Schmidt, Christian

16:30	[214] Canonical approach to the finite density QCD with winding number expansion (00h20')	TANIGUCHI, Yusuke
16:50	[252] Complex Langevin dynamics for SU(3) gauge theory in the presence of a theta term (00h20')	BONGIOVANNI, Lorenzo
17:10	[259] Exploring the phase diagram of QCD with complex Langevin simulations (00h20')	JAEGER, Benjamin
17:30	[294] Towards exact worldline models of lattice gauge theory at finite density (00h20')	VAIRINHOS, Helvio
17:50	[423] Solution of simple toy models via thimble regularization of lattice field theory (00h20')	GIOVANNI, Eruzzi

Hadron spectroscopy and interaction: Parallel 4B - 428 Pupin (16:30-18:10)

- Conveners: Ohno, Hiroshi

16:30	[394] Generating 2+1+1 Flavor Mobius Domain Wall Fermion Configurations (00h20')	MAWHINNEY, Robert
16:50	[221] The Lambda 1405 is an anti-kaon--nucleon molecule (00h20')	LEINWEBER, Derek
17:10	[405] Multi-channel 1 to 2 matrix elements in finite volume (00h20')	WALKER-LOUD, andre
17:30	[69] Scalar Mesons on the Lattice Using Stochastic Sources on GPU Architecture. (00h20')	HOWARTH, Dean
17:50	[258] Heavy Meson Spectrum Tests of the Oktay-Kronfeld Action (00h20')	JANG, Yong-Chull

Hadron Structure: Parallel 4D - 301 Pupin (16:30-18:10)

- Conveners: Liu, Keh-Fei

16:30	[198] Calculation of disconnected contributions to nucleon form factors using hierarchical probing (00h20')	MEINEL, Stefan
16:50	[138] Results on the disconnected contributions for hadron structure (00h20')	VAQUERO, Alejandro
17:10	[402] Disconnected contribution to the nucleon charges from $N_f = 2+1+1$ lattice QCD (00h20')	YOON, Boram
17:30	[361] Strange quark momentum fraction from overlap fermion (00h20')	SUN, Mingyang
17:50	[141] Computing the nucleon sigma terms at the physical point (00h20')	TORRERO, Christian

Theoretical Developments: Parallel 4E - 329 Pupin (16:30-18:10)

- Conveners: Neuberger, Herbert

16:30	[386] Causal Space-Time on a Null Lattice with Hypercubic Coordination (00h20')	SCHADEN, Martin
16:50	[104] Triviality of ϕ^4 in the broken phase revisited (00h20')	WOLFF, Ulli
17:10	[381] Can the Universe be a Lattice ? (00h20')	HOROWITZ, Alan
17:30	[120] Induced QCD with N_c auxiliary bosonic fields (00h20')	BRANDT, Bastian
17:50	[329] Matrix product states for gauge field theories (00h20')	VAN ACOLEYEN, Karel BUYENS, Boye

Vacuum Structure and Confinement: Parallel 4F - 415 Schapiro (16:30-18:10)

- Conveners: Shuryak, Edward

16:30	[346] Exploring confinement in $SU(N)$ gauge theories with double-trace Polyakov loop deformations (00h20')	OGILVIE, Michael
16:50	[396] Magnetic monopole and confinement/deconfinement phase transition in $SU(3)$ Yang-Mills theory (00h20')	SHIBATA, Akihiro
17:10	[418] Zero modes of overlap fermions, instantons and monopoles (00h20')	HASEGAWA, Masayasu
17:30	[187] Spectral Flow and Index Theorem for Staggered Fermions (00h20')	FOLLANA ADIN, Eduardo
17:50	[131] Topological insulators and the QCD vacuum. (00h20')	H. B., Thacker

Standard model parameters and renormalization: Parallel 4G - 207 Math (16:30-18:10)

- Conveners: Bhattacharya, Tanmoy

16:30	[180] Renormalization constants for $N_f=2+1+1$ twisted mass QCD (00h20')	ZAFEIROPOULOS, Savvas
16:50	[344] NPR step-scaling across the charm threshold (00h20')	FRISON, Julien
17:10	[210] Non-perturbative Renormalization of Four-fermion Operators Relevant to B_K with Staggered Quarks. (00h20')	KIM, Jangho
17:30	[216] Nonperturbative renormalization of bilinear operators with Mobius domain-wall fermions in the coordinate space (00h20')	TOMII, Masaaki
17:50	[286] Physical and cut-off effects of heavy charm-like sea quarks (00h20')	KNECHTLI, Francesco

Poster Session - Tuesday (18:10-20:10), Low Memorial Library

Conveners: Jung, Chulwoo; Mawhinney, Robert; Mukherjee, Swagato

Board	Id	Title	Presenter
1	374	ContinuousBeta	GAMBHIR, Arjun
2	140	Overlap Quark Propagator in Coulomb Gauge QCD	PAK, Markus
3	143	Perturbative and non-perturbative renormalization results of the Chromomagnetic Operator on the Lattice	COSTA, Marios
4	330	Kaon and D meson semileptonic form factors from lattice QCD	PRIMER, Thomas
5	225	Lattice QCD code Bridge++ on multi-thread and many core accelerators	UEDA, Satoru
6	301	Tuning of the strange quark mass with optimal reweighting	LEDER, Björn
7	378	Evidence of BRST-Symmetry Breaking in Lattice Minimal Landau Gauge	CUCCHIERI, Attilio
8	101	The mass of the adjoint pion in N=1 supersymmetric Yang-Mills theory	MÜNSTER, Gernot
9	431	Correlation functions with Karsten-Wilczek fermions	WEBER, Johannes Heinrich
10	124	Testing the density of states method for the effective center model of QCD	DELGADO MERCADO, Ydalia
11	251	CL2QCD - Lattice QCD based on OpenCL	PINKE, Christopher SCIARRA, Alessandro
12	250	CL2QCD - Lattice QCD based on OpenCL	SCIARRA, Alessandro PINKE, Christopher
13	123	Study of the Theta Angle in Scalar QED ₂ in a Dual Representation	KLOIBER, Thomas
14	430	Error reduction with all-mode-averaging in Wilson fermion	SHINTANI, Eigo
15	433	The charmonium states X(3872)(1 ⁺⁺) and Zc(3900)(1 ⁺⁻) on HISQ lattices	DETAR, Carleton
16	414	Conformality in twelve-flavor QCD	AOKI, Yasumichi RINALDI, Enrico
17	255	Neutral B-meson mixing with physical u, d, s, and c sea quarks	DAVIES, Christine
18	351	Fast evaluation of multi-hadron correlation functions	VACHASPATI, Pranjal
19	271	Baryon resonances coupled to Pion-Nucleon states in lattice QCD	VERDUCCI, Valentina
20	353	Exploring the phase diagram of Euclidean dynamical triangulations	LAIHO, Jack
21	370	Lattice calculation of neural network of theta neuron	QIU, Siwei
22	343	Renormalization of parton distribution functions and their moments	ORGINOS, Kostas MONAHAN, Christopher
23	113	Comparative study of topological charge	NAMEKAWA, Yusuke
24	0	Partial quenching and chiral symmetry breaking	CREUTZ, Michael
25	50	Fermion-bags and a new origin for a fermion mass	CHANDRASEKHARAN, Shailesh
26	118	Extraction of the isovector magnetic form factor of the nucleon at zero momentum	OTTNAD, Konstantin

27	155	Quark mass dependence of finite temperature phase transitions in QCD with many flavors of Wilson fermions	EJIRI, Shinji
28	157	Rho mesons in strong abelian magnetic field in SU(3) lattice gauge theory	LARINA, Olga
29	175	Critical behavior and continuum scaling of 3D Z(N) lattice gauge theories	PAPA, Alessandro
30	176	Probing mesonic and diquark wavefunctions in two color QCD at non-zero baryon density	AMATO, Alessandro
31	199	Determination of the mass anomalous dimension for Nf=12 and Nf=9 SU(3) gauge theories	ITOU, Etsuko
32	206	Calculation of BSM Kaon B-parameters using improved staggered quarks in N _f = 2+1 QCD.	LEEM, Jaehoon
33	211	Optimization of Lattice QCD Calculation on GTX Titan Black GPU and Xeon Phi Coprocessor	PAK, Jeonghwan
34	224	Current status of χ calculated on the lattice	LEE, Weonjong
35	336	NRQCD based S- and P-wave Bottomonium spectra at finite temperature from 48 ³ x12 lattices with Nf=2+1 light HISQ flavors	PETRECKZY, Peter ROTHKOPF, Alexander
36	257	Light glueball masses using multilevel algorithm	MONDAL, Sourav
37	429	Improved statistics of proton decay matrix element	SONI, amarjit
38	323	Perturbative analysis of the volume dependence of Wilson loops with twisted boundary conditions	GARCIA-PEREZ, Margarita
39	368	Targeting the Conformal Window: Determining the Running Coupling	WITZEL, Oliver
40	365	Leveraging LLVM for Lattice QCD calculations	WINTER, Frank
41	363	χ flavor measurement for η and η' masses using domain wall fermion	KIM, Hyung-Jin
42	360	The effective U(1)-Higgs theory at strong coupling on optical lattices?	BAZAVOV, Alexei
43	440	Condensation in two flavor scalar electrodynamics with non-degenerate quark masses	SCHMIDT, Alexander
44	410	Exploring the phase structure of 12-flavor SU(3)	GELZER, Zechariah
45	269	The onset of the baryonic density in HD-QCD at low temperature	STAMATESCU, Ion-Olimpiu
46	263	Numerical investigations of Supersymmetric Yang-Mills Quantum Mechanics with 4 supercharges	KORCYL, Piotr
47	247	Lepton anomalous magnetic moments from N _f =2+1+1 twisted mass fermions and N _f =2 twisted mass fermions at the physical point	PETSCHLIES, Marcus
48	406	Neutron-Antineutron Operator Renormalization	WAGMAN, Michael
49	265	Dual simulation of finite density lattice QED at large mass	GATTRINGER, Christof
50	249	Test of the Standard Model description of rare B decays using lattice QCD form factors	WINGATE, Matthew
51	442	HISQ inverter on Intel Xeon Phi and NVIDIA GPUs	MUKHERJEE, Swagato

Early Parallel Session: Wednesday 25 June 2014

Nonzero temperature and Density: Parallel 5A - 501 NWC (09:00-10:40)

- Conveners: Heller, Urs

09:00	[220] Axial U(1) symmetry at finite temperature with Mobius domain-wall fermions (00h20')	COSSU, Guido
09:20	[332] Effects of near-zero Dirac eigenmodes on axial U(1) symmetry at finite temperature (00h20')	TOMIYA, Akio
09:40	[399] Dirac eigenmodes at the QCD Anderson transition (00h20')	KOVACS, Tamas G.
10:00	[262] Understanding localisation in QCD through an Ising-Anderson model (00h20')	GIORDANO, Matteo
10:20	[369] Chiral transition as Anderson transition (00h20')	PITTLER, Ferenc

Hadron spectroscopy and interaction: Parallel 5B - 428 Pupin (09:00-10:40)

- Conveners: Lytle, Andrew

09:00	[116] Nucleon spectroscopy using multi-particle operators (00h20')	KAMLEH, Waseem
09:20	[322] Lattice QCD with 2+1 Flavors and Open Boundaries: First Results of the Baryon Spectrum (00h20')	SOELDNER, Wolfgang
09:40	[327] Baryon spectrum with $N_f=2+1+1$ twisted mass fermions (00h20')	KALLIDONIS, Christos
10:00	[53] Excited isovector mesons using the stochastic LapH method (00h20')	MORNINGSTAR, Colin
10:20	[356] An investigation of meson spectroscopy on isotropic clover lattices at the SU(3) flavor-symmetric point (00h20')	RICHARDS, David

Physics beyond the standard model: Parallel 5C - 214 Pupin (09:00-10:40)

- Conveners: Nagai, Kei-ichi

09:00	[100] Improved gradient flow for step scaling function and scale setting (00h20')	HASENFRATZ, Anna
09:20	[135] The gradient flow running coupling in SU2 with 8 flavors (00h20')	RANTAHARJU, Jarno
09:40	[137] SU(3) gauge theory with 12 flavours in a twisted box (00h20')	LIN, C.-J. David
10:00	[347] Four-fermi anomalous dimension with adjoint fermions (00h20')	DEL DEBBIO, Luigi
10:20	[68] Calculating the chiral condensate diagrammatically at strong coupling (00h20')	MYERS, Joyce

Chiral Symmetry: Parallel 5D - 309 Havemeyer (09:00-10:40)

- Conveners: Borici, Artan

09:00	[203] The Chiral Condensate of One-Flavor QCD and the Dirac Spectrum at $\theta=0$ (00h20')	VERBAARSCHOT, Jacobus
09:20	[223] Chiral condensate in $n_f=2$ QCD from the Banks-Casher relation (00h20')	ENGEL, Georg
09:40	[163] Topological susceptibility from the Dirac spectrum and the Witten-Veneziano formula. (00h20')	GARCIA RAMOS, Elena
10:00	[161] Comparison of different lattice definitions of the topological charge (00h20')	CICHY, Krzysztof
10:20	[248] Chiral Properties of Pseudoscalar Meson in Lattice QCD with Domain-Wall Fermion (00h20')	HSIEH, Tung-Han

Theoretical Developments: Parallel 5E - 329 Pupin (09:00-10:40)

- Conveners: Patella, Agostino

09:00	[7] Prepotential Formulation of Lattice Gauge theories (00h20')	RAYCHOWDHURY, Indrakshi
09:20	[102] Lattice Hamiltonian approach to the Schwinger model (00h20')	SZYNISZEWSKI, Marcin
09:40	[227] Update on staggered Wilson fermions (00h20')	ADAMS, David
10:00	[8] Pion masses in 2-flavor QCD with χ condensation (00h20')	AOKI, Sinya
10:20	[54] Spectrum of the staggered Wilson Dirac operator in quenched lattice QCD backgrounds (00h20')	ZIELINSKI, Christian

Vacuum Structure and Confinement: Parallel 5F - 415 Schapiro (09:00-10:40)

- Conveners: Thacker, Harry

09:00	[253] On the rigid string contribution to the interquark potential (00h20')	CASELLE, michele
09:20	[156] Effective string description of the interquark potential in the 3D U(1) Lattice Gauge Theory (00h20')	VADACCHINO, Davide
09:40	[183] London penetration depth and coherence length of SU(3) vacuum flux tubes (00h20')	CUTERI, Francesca
10:00	[316] Anisotropy of the quark anti-quark potential in a magnetic field (00h20')	NEGRO, Francesco
10:20	[112] The static three-quark potential from the Polyakov loop correlation function (00h20')	KOMA, Yoshiaki

Weak Decays and Matrix Elements: Parallel 5G - Uris 141 (09:00-10:40)

- Conveners: Na, Heechang

09:00	[122] The scalar B meson in the static limit of HQET (00h20')	GÉRARDIN, Antoine
09:20	[416] B meson decay constants and $\Delta B=2$ matrix elements with static heavy and domain-wall light quarks (00h20')	ISHIKAWA, Tomomi
09:40	[364] B-physics with domain-wall light quarks and nonperturbatively tuned relativistic b-quarks (00h20')	WITZEL, Oliver
10:00	[212] Neutral B-meson mixing parameters in and beyond the SM with 2+1 flavor lattice QCD (00h20')	EL-KHADRA, Aida
10:20	[165] Non-perturbative study of the chromagnetic operator on the lattice (00h20')	LUBICZ, Vittorio

Late Parallel Session: Wednesday 25 June 2014

Nonzero temperature and Density: Parallel 6A - 501 NWC (11:10-13:10)

- Conveners: Ding, Heng-Tong

11:10	[232] Charmonium spectra and dispersion relation with improved Bayesian analysis in lattice QCD (00h20')	IKEDA, Atsuro
11:30	[242] Mesonic spectral functions and transport properties in the quenched QCD continuum (00h20')	MEYER, Florian
11:50	[309] Temperature dependence of bottomonium spectral functions (00h20')	HARRIS, Tim
12:10	[320] Charmonium spectral functions from 2+1 flavour lattice QCD (00h20')	PASZTOR, Attila
12:30	[325] Quark mass dependence of quarkonium properties at finite temperature (00h20')	OHNO, Hiroshi
12:50	[335] The in-medium heavy quark potential from quenched and dynamical lattice QCD (00h20')	ROTHKOPF, Alexander

Hadron spectroscopy and interaction: Parallel 6B - 428 Pupin (11:10-13:10)

- Conveners: Lang, Christian B.

11:10	[256] Comparison between two-quark, tetra-quark and molecular states of the sigma meson from lattice QCD (00h20')	WAKAYAMA, Masayuki
11:30	[282] Investigation of the tetraquark candidate $a_0(980)$: technical aspects. (00h20')	BERLIN, Joshua
11:50	[371] Investigation of the tetraquark candidate $a_0(980)$: preliminary results (00h20')	ABDEL-REHIM, Abdou
12:10	[315] Flavored tetraquark spectroscopy (00h20')	GUERRIERI, Andrea
12:30	[305] Search for a bound H-dibaryon using local six-quark interpolating operators (00h20')	GREEN, Jeremy
12:50	[417] Two-Baryon Systems with Twisted Boundary Conditions (00h20')	DAVOUDI, Zohreh

Physics beyond the standard model: Parallel 6C - 214 Pupin (11:10-13:10)

- Conveners: Kuti, Julius

11:10	[105] Phase structure of the $N = 1$ supersymmetric Yang-Mills theory at finite temperature (00h20')	PIEMONTE, Stefano
11:30	[109] Lattice Formulations of Supersymmetric Gauge Theories with Matter Fields (00h20')	JOSEPH, ANOSH
11:50	[319] Loop formulation of supersymmetric Yang-Mills quantum mechanics (00h20')	WENGER, Urs
12:10	[71] Simulating $N=4$ Super Yang-Mills (00h20')	CATTERALL, Simon
12:30	[61] The continuum limit of lattice $N=4$ super-Yang-Mills (00h20')	GIEDT, Joel
12:50	[207] Results from lattice studies of maximally supersymmetric Yang--Mills (00h20')	SCHAICH, David

Hadron Structure: Parallel 6D - 301 Pupin (11:10-13:10)

- Conveners: Meinel, Stefan

11:10	[300] Suppression of excited-state effects in lattice determination of nucleon electromagnetic form factors (00h20')	VON HIPPEL, Georg
11:30	[246] Nucleon electromagnetic form factors from twisted mass lattice QCD (00h20')	KOUTSOU, Giannis
11:50	[275] Systematics analyses on nucleon isovector observables in 2+1-flavor dynamical domain-wall lattice QCD near physical mass (00h20')	OHTA, Shigemi
12:10	[391] Nucleon axial form factors from two-flavour Lattice QCD (00h20')	WITTIG, Hartmut
12:30	[326] Axial and tensor charges of baryons using twisted mass fermions (00h20')	ALEXANDROU, Constantia
12:50	[62] Precision calculations of nucleon charges g_A , g_S and g_T (00h20')	GUPTA, Rajan

Theoretical Developments: Parallel 6E - 329 Pupin (11:10-13:10)

- Conveners: Sint, Stefan

11:10	[328] Conformal Lattice Field Theory on Spherical Manifolds (00h20')	BROWER, Richard
11:30	[277] Blocking versus Sampling (00h20')	MEURICE, Yannick
11:50	[179] Topologically restricted measurements in lattice sigma-models (00h20')	GERBER, Urs
12:10	[177] Hadron masses from fixed topological simulations: discussion of parity partners and SU(2) Yang-Mills results. (00h20')	DROMARD, Arthur
12:30	[115] Non-perturbative renormalization of the energy-momentum tensor in SU(3) Yang-Mills theory (00h20')	PEPE, Michele
12:50	[239] Topology density correlator on dynamical domain-wall ensembles with nearly frozen topological charge (00h20')	FUKAYA, Hidenori

Vacuum Structure and Confinement: Parallel 6F - 415 Schapiro (11:10-12:50)

- Conveners: Follana Adin, Eduardo

11:10	[42] Testing the Witten–Veneziano mechanism with the Yang–Mills gradient flow on the lattice (00h20')	Cè, Marco
11:30	[383] The Gluon Dyson-Schwinger equation of Lattice Landau Gauge (00h20')	STERNBECK, Andre
11:50	[193] Z(N) dependence of the pure Yang-Mills gluon propagator in the Landau gauge near Tc (00h20')	SILVA, Paulo
12:10	[13] Smearing Center Vortices (00h20')	HOELLWIESER, Roman
12:30	[139] Centre Vortex Effects on the Overlap Quark Propagator (00h20')	TREWARTHA, Daniel

Weak Decays and Matrix Elements: Parallel 6G - Uris 141 (11:10-13:10)

- Conveners: El-Khadra, Aida

11:10	[188] Charm physics with Moebius Domain Wall Fermions (00h20')	TSANG, Justus Tobias
11:30	[337] Charm physics with physical light and strange quarks using domain wall fermions (00h20')	JUETTNER, Andreas
11:50	[226] Scaling study of an improved fermion action on quenched lattices (00h20')	CHO, Yong-Gwi
12:10	[195] Charmed and strange pseudoscalar meson decay constants from HISQ simulations (00h20')	KOMIJANI, Javad
12:30	[362] Leptonic B and D decay constants with 2+1 flavor asqtad fermions (00h20')	NEIL, Ethan
12:50	[376] Matrix elements for D-meson mixing from 2+1 lattice QCD (00h20')	CHANG, Chia Cheng

Thursday 26 June 2014

Plenary - Roone Arledge Auditorium (09:00-10:30)

- Conveners: Bernard, Claude

09:00	[82] Simulation in Astrophysics (00h45')	MEZZACAPPA, Anthony
09:45	[83] Beyond the Standard Model (00h45')	AOKI, Yasumichi

Plenary - Roone Arledge Auditorium (11:00-12:30)

- Conveners: Lee, Weonjong

11:00	[89] FNAL E989 and g-2 (00h30')	CASEY, Brendan
11:30	[85] E & M and Isospin (00h30')	PORTELLI, Antonin
12:00	[86] Quark masses (00h30')	SANFILIPPO, Francesco

Parallel Sessions: Thursday 26 June 2014

Nonzero temperature and Density: Parallel 7A - 501 NWC (14:15-16:35)

- Conveners: Borsanyi, Szabolcs

14:15	[65] Thermodynamics in the fixed scale approach with the shifted boundary conditions (00h20')	UMEDA, Takashi
14:35	[205] Multipoint reweighting method and beta-functions for the calculation of QCD equation of state (00h20')	IWAMI, Ryo
14:55	[321] QCD Thermodynamics With Continuum Extrapolated Wilson Fermions (00h20')	TROMBITAS, Norbert
15:15	[162] Recent results on the Equation of State of QCD (00h20')	KRIEG, Stefan
15:35	[398] The QCD Equation of State (00h20')	BHATTACHARYA, Tanmoy
15:55	[393] The QCD Equation of State at order μ_B^4 (00h20')	HEGDE, Prasad
16:15	[428] The QCD Phase Transition with Three Physical-Mass Pions (00h20')	SCHROEDER, Chris

Hadron spectroscopy and interaction: Parallel 7B - 428 Pupin (14:15-16:35)

- Conveners: Chiu, Ting-Wai

14:15	[261] An improved study of the excited radiative decay $\Upsilon(2S) \rightarrow \eta_b(1S)\gamma$ using lattice NRQCD (00h20')	HUGHES, Ciaran
14:35	[245] Calculation of the decay width of decuplet baryons (00h20')	PETSCHLIES, Marcus
14:55	[174] Determining Sigma - Lambda mixing (00h20')	HORSLEY, Roger
15:15	[354] Free-form Smeared Bottomonium Correlation Functions (00h20')	WURTZ, Mark
15:35	[136] Omega-Omega interaction from 2+1 flavor QCD (00h20')	YAMADA, Masanori for HAL QCD Coll
15:55	[244] Quark mass dependence of three-nucleon forces in lattice QCD (00h20')	DOI, Takumi
16:15	[291] A study of scattering in open charm channels (00h20')	RYAN, Sinead

Application beyond QCD: Parallel 7C - Pupin 214 (14:15-16:35)

- Conveners: Toussaint, Doug

14:15	[153] Beta function of three-dimensional QED (00h20')	SVETITSKY, Benjamin
14:35	[146] Asymptotic safety on the lattice: the nonlinear $O(N)$ Sigma model (00h20')	KÖRNER, Daniel
14:55	[121] Hybrid Monte Carlo simulations of Graphene in presence of vacancies (00h20')	ULYBYSHEV, Maksim
15:15	[144] Monte-Carlo study of the phase transition in the AA-stacked bilayer graphene (00h20')	NIKOLAEV, Alexander
15:35	[99] Hybrid-Monte-Carlo simulation of the tight-binding model of graphene with partially screened Coulomb interactions (00h20')	SMITH, Dominik
15:55	[14] Lattice path integrals for relativistic and non-relativistic many-body quantum systems (00h20')	PAVLOVSKIY, Oleg
16:15	[438] Numerical simulation of graphene in an external magnetic field (00h20')	VALGUSHEV, Semen

Hadron Structure: Parallel 7D - 301 Pupin (14:15-16:35)

- Conveners: Zanotti, James

14:15	[372] Electric polarizability of neutral hadrons from dynamical lattice QCD ensembles (00h20')	LUJAN, Michael
14:35	[400] Perturbative reweighting, dilution, and low mode substitution for sea quark contribution to the neutron polarizability (00h20')	FREEMAN, Walter
14:55	[111] Background field method and nonrelativistic QED matching (00h20')	LEE, JONG-WAN
15:15	[147] Vector and axial mesons in strong abelian magnetic field in SU(3) lattice gauge theory. (00h20')	LUSCHEVSKAYA, Elena
15:35	[308] Electromagnetic structure of charmed baryons in Lattice QCD (00h20')	CAN, Kadir Utku
15:55	[385] Radiative Physics on the Lattice using Distillation (00h20')	SHULTZ, Christian
16:15	[196] Electromagnetic matrix elements for excited Nucleons (00h20')	OWEN, Benjamin

Theoretical Developments: Parallel 7E - 329 Pupin (14:15-16:35)

- Conveners: Fukaya, Hidenori

14:15	[186] Optimisation of Quantum Evolution Algorithms (00h20')	PATEL, Apoorva
14:35	[350] Tensor renormalization group study of the 2d O(3) model (00h20')	UNMUTH-YOCKEY, Judah
14:55	[288] Energy-momentum tensor on the lattice and Wilson flow (00h20')	PATELLA, Agostino
15:15	[215] String tension from smearing and Wilson flow methods (00h20')	OKAWA, Masanori
15:35	[173] Tree level improvement of the gradient flow (00h20')	NOGRADI, Daniel
15:55	[107] How to reduce $O(a^2)$ effects in gradient flow observables? (00h20')	SINT, Stefan
16:15	[338] Locally smeared operator product expansions (00h20')	MONAHAN, Christopher

Vacuum Structure and Confinement: Parallel 7F - 415 Schapiro (14:15-16:15)

- Conveners: Ogilvie, Michael

14:15	[127] The dynamical QCD string (00h20')	GLOZMAN, Leonid Glozman
14:35	[10] Study of axial magnetic effect (00h20')	BRAGUTA, Victor
14:55	[311] Surface operators study within the lattice QCD (00h20')	MOLOCHKOV, Alexander
15:15	[432] Screening without dynamical quarks (00h20')	WOSIEK, Jacek
15:35	[191] two-dimensional phase structure of SU(2) gauge-Higgs model (00h20')	GONGYO, Shinya
15:55	[434] van Baal's legacy: From renormalons to bions (00h20')	UNSAL, Mithat

Standard model parameters and renormalization: Parallel 7G - 140 Uris (14:15-15:15)

- Conveners: Monahan, Christopher

14:15	[280] Towards a new determination of the QCD Lambda parameter from running couplings in the three-flavour theory (00h20')	FRITZSCH, Patrick
14:35	[152] A Feynman-Hellmann approach to nonperturbative renormalization of lattice operators (00h20')	PERLT, Holger
14:55	[268] Determination of $\langle c_{\text{sw}} \rangle$ in $(N_f=3+1)$ Lattice QCD with massive Wilson fermions (00h20')	STOLLENWERK, Felix

Friday 27 June 2014

Plenary - Roone Arledge Auditorium (09:00-10:45)

- Conveners: Wittig, Hartmut

09:00	[87] Hadron Spectroscopy (00h45')	PRELOVSEK, Sasa
09:45	[84] New algorithms for finite density QCD (00h30')	SEXTY, Denes
10:15	[79] Wilson flow and renormalization (00h30')	RAMOS, Alberto

Plenary - Roone Arledge Auditorium (11:15-12:30)

- Conveners: Sharpe, Stephen

11:15	[80] Wilson Award (00h30')	
11:45	[90] Hidden exact symmetry in graphene (00h45')	ONOGI, Tetsuya

Early Parallel Sessions: Friday 27 June 2014

Nonzero temperature and Density: Parallel 8A - 501 NWC (14:15-15:55)

- Conveners: Mendes, Tereza

14:15	[164] Deconfining temperatures in SO(N) and SU(N) gauge theories (00h20')	LAU, Richard
14:35	[192] A novel density of state method for complex action system (00h20')	BIAGIO, Lucini
14:55	[238] As an application, a numerical study of 4d U(1) compact lattice gauge theory is presented. (00h20')	PELLEGRINI, Roberto
15:15	[189] Quark number susceptibilities from fugacity expansion at finite chemical potential (00h20')	SCHADLER, Hans-Peter
15:35	[379] Shear Viscosity from Lattice QCD (00h20')	MAGES, Simon

Hadron spectroscopy and interaction: Parallel 8B - 428 Pupin (14:15-15:55)

- Conveners: Morningstar, Colin

14:15	[150] Electromagnetic mass splittings from dynamical lattice QCD+QED (00h20')	SCHIERHOLZ, Gerrit
14:35	[129] Finite volume effects and the electromagnetic contributions to kaon and pion masses (00h20')	BERNARD, Claude
14:55	[266] Search for $Z_c(3900)$ on the lattice with twisted mass fermions (00h20')	LIU, Liuming
15:15	[114] Evidence for the charged charmonium-like state Z_c^+ from lattice QCD (00h20')	LESKOVEC, Luka
15:35	[167] Updated results from maximally twisted mass QCD at the physical point (00h20')	KOSTRZEWA, Bartosz

Physics beyond the standard model: Parallel 8C - 214 Pupin (14:15-15:55)

- Conveners: Hasenfratz, Anna

14:15	[182] Nuclear physics beyond QCD (00h20')	DETMOLD, William
14:35	[58] The bosonic side of composite dark matter (00h20')	BUCHOFF, Michael
14:55	[281] Dark matter baryon candidates in the sextet gauge model (00h20')	MONDAL, Santanu
15:15	[229] Scattering lengths in SU(2) Gauge Theory with two Fundamental Fermions (00h20')	DRACH, Vincent
15:35	[292] Gauge-invariant signature of spontaneous gauge symmetry breaking by the Hosotani mechanism (00h20')	DE FORCRAND, Philippe

Hadron Structure: Parallel 8D - 301 Pupin (14:15-15:55)**- Conveners: Maltman, Kim**

14:15	[310] Towards the physical point hadronic vacuum polarisation from Möbius DWF (00h20')	MARINKOVIC, Marina
14:35	[345] Leading-order hadronic contribution to $a_\mu - 2$ from $N_f = 2+1$ simulations down to the physical pion mass (00h20')	MALAK, Rehan
14:55	[349] A Study of the anomalous magnetic moment of the muon computed from the Adler function (00h20')	HORCH, Hanno
15:15	[307] Study of the couplings of QED and QCD from the Adler function (00h20')	HERDOIZA, Gregorio
15:35	[436] Towards the large volume limit - An application to hadronic contributions to muon $g-2$ and EM corrections (00h20')	LEHNER, Christoph

Theoretical Developments: Parallel 8E - 329 Pupin (14:15-15:35)**- Conveners: Wolff, Ulli**

14:15	[133] A construction of the Schrodinger Functional for Möbius Domain Wall Fermions (00h20')	MURAKAMI, Yuko
14:35	[48] Crank-Nicolson discretization scheme and lattice fermions (00h20')	BORICI, Artan
14:55	[41] Fermion Mass Generation without a chiral condensate (00h20')	AYYAR, Venkitesh
15:15	[12] The Hadronic Spectrum and Confined Phase in (1+1)-Dimensional Massive Yang-Mills Theory (00h20')	CORTES CUBERO, Axel

Algorithms and Machines: Parallel 8F - 203 Math (14:15-15:55)**- Conveners: Gottlieb, Steve**

14:15	[424] An algorithm for thimble regularization of lattice field theories (and possibly not only for that) (00h20')	DI RENZO, Francesco
14:35	[149] A Method to Calculate Conserved Currents and Fermionic Force for the Lanczos Approximation to the Overlap Dirac Operator (00h20')	PUHR, Matthias
14:55	[340] Conjugate Directions in Landau and Coulomb Lattice Gauge Fixing (00h20')	HUDSPITH, Renwick
15:15	[213] A filtering technique for the temporally reduced matrix of the Wilson fermion determinant (00h20')	NAGATA, Keitaro
15:35	[151] pyQCD: A Native Lattice Simulation Package for Python (00h20')	SPRAGGS, Matthew

Application beyond QCD: Parallel 8G - 142 Uris (14:15-15:55)**- Conveners: Shintani, Eigo**

14:15	[51] Solution to new sign problems with Hamiltonian Lattice Fermions (00h20')	HUFFMAN, Emilie
14:35	[390] Glueball masses in 2+1 dimensional SU(N) gauge theories with twisted b.c. (00h20')	KOREN, Mateusz
14:55	[3] Spectrum and Observables in Yang-Mills-Higgs Theory (00h20')	MAAS, Axel
15:15	[117] Spontaneous chiral symmetry breaking and chiral magnetic effect in Weyl semimetals (00h20')	BUIVIDOVICH, Pavel
15:35	[230] The electro weak transition and the equation of state in the SU(2)-Higgs-model (00h20')	GÜNTHER, Jana

Late Parallel Sessions: Friday 27 June 2014

Nonzero temperature and Density: Parallel 9A - 501 NWC (16:30-18:30)

- Conveners: Endrodi, Gergely

16:30	[64] Effective Polyakov line actions, and their solutions at finite chemical potential (00h20')	GREENSITE, Jeff
16:50	[312] Chiral dynamics in the low-temperature phase of QCD (00h20')	ROBAINA, DANIEL
17:10	[160] Two-color QCD with chiral chemical potential (00h20')	KOTOV, Andrey
17:30	[55] Deconfinement transition in two-flavour lattice QCD with dynamical overlap fermions in an external magnetic field (00h20')	KOCHETKOV, Oleg
17:50	[297] Magnetic properties of the QCD medium (00h20')	MARITI, Marco
18:10	[401] Effects of an external magnetic field on the QGP (00h20')	LEVKOVA, Ludmila

Weak Decays and Matrix Elements: Parallel 9B - 428 Pupin (16:30-18:10)

- Conveners: Witzel, Oliver

16:30	[375] $B \rightarrow \pi$ semileptonic form factors from unquenched lattice QCD (00h20')	DU, Daping
16:50	[373] The $B \rightarrow \pi l \nu$ and $B_s \rightarrow K l \nu$ form factors from 2+1 flavors of domain-wall fermions and relativistic b-quarks (00h20')	KAWANAI, Taichi
17:10	[318] Semileptonic form factors of pseudoscalar mesons from $N_f=2+1+1$ Twisted Mass lattice QCD (00h20')	RIGGIO, Lorenzo
17:30	[184] Standard Model contributions to B and B_s meson semileptonic decays (00h20')	NA, Heechang
17:50	[283] Improved currents for B to $D^{(*)} \ell \nu$ form factors from Oktay-Kronfeld heavy quarks (00h20')	BAILEY, Jon

Physics beyond the standard model: Parallel 9C - 214 Pupin (16:30-18:30)

- Conveners: Catterall, Simon

16:30	[158] Last results of $N=1$ supersymmetric Yang-Mills theory with some topological insights (00h20')	GIUDICE, pietro
16:50	[63] Non-renormalization theorem and cyclic Leibniz rule in lattice supersymmetry (00h20')	SAKAMOTO, Makoto
17:10	[407] Spectrum of the $SU(4)$ lattice gauge theory with fermions in the anti-symmetric two index representation (00h20')	LIU, Yuzhi
17:30	[272] Light composite scalar and other spectra in $N_f=8$ QCD (00h20')	NAGAI, Kei-ichi
17:50	[285] Analysis of the scalar and vector channels in many flavor QCD (00h20')	OHKI, Hiroshi
18:10	[98] Phase structure and Higgs boson mass in a Higgs-Yukawa model with a dimension-6 operator (00h20')	NAGY, Attila

Hadron Structure: Parallel 9D - 301 Pupin (16:30-18:30)

- Conveners: Gupta, Rajan

16:30	[204] A Feynman-Hellmann approach to the spin structure of hadrons (00h20')	ZANOTTI, James
16:50	[128] Glue Helicity ΔG In the Nucleon (00h20')	SUFIAN, Raza
17:10	[108] Nucleon transverse momentum-dependent parton distributions from domain wall fermion calculations at 297 MeV pion mass (00h20')	ENGELHARDT, Michael
17:30	[348] Nonperturbative renormalisation for low moments of light-meson distribution amplitudes (00h20')	FLYNN, Jonathan
17:50	[4] A framework for the calculation of the $\Delta N \gamma^* \Delta$ transition form factor on the lattice (00h20')	RUSETSKY, Akaki
18:10	[5] Signal/noise optimization strategies for stochastically estimated correlation functions (00h20')	ENDRES, Michael G

Standard model parameters and renormalization: Parallel 9E - Pupin 329 (16:30-18:10)

- Conveners: Bali, Gunnar

16:30	[222] Using NSPT for the Removal of Hypercubic Lattice Artifacts (00h20')	SIMETH, Jakob
16:50	[425] An update on the status of NSPT computations (00h20')	BRAMBILLA, Michele
17:10	[154] Calculating the glue helicity on the lattice with comments about renormalization (00h20')	GLATZMAIER, Michael
17:30	[295] Isospin Effects by Mass Reweighting (00h20')	FINKENRATH, Jacob
17:50	[366] Renormalization of Flavor Singlet and Nonsinglet Fermion Bilinear Operators (00h20')	PANAGOPOULOS, Haralambos (Harris)

Saturday 28 June 2014

Plenary - Roone Arledge Auditorium (08:30-10:00)

- Conveners: Alexandrou, Constantia

08:30	[92] Lattice QCD with purely imaginary sources at zero and non-zero temperature. (00h30')	D'ELIA, Massimo
09:00	[94] QPACE II (00h30')	WETTIG, Tilo
09:30	[148] Measurement of thermodynamics using Gradient Flow (00h30')	KITAZAWA, Masakiyo

Plenary - Roone Arledge Auditorium (10:30-11:30)

- Conveners: Kuramashi, Yoshinobu

10:30	[95] Long Distance Effects from the Lattice (00h45')	SACHRAJDA, Chris
11:15	[97] Conference Closing (00h15')	