# Lattice2010

# Tuesday, 15 June 2010

**Poster session** **(18:00 - 20:00)**

| [id] title | presenter | board |
|---|---|---|
| **[108] SU(2) analysis of $B\_K$ with staggered fermions** | YOON, Boram | |
| **[270] One flavour QCD** | WUILLOUD, Jair | |
| **[272] Comparison between LQCD and PNJL model at finite chemical potentials** | SAKAI, Yuji | |
| **[276] Scaling behavior of chiral phase transition in two-flavor QCD with improved Wilson quarks at finite density** | EJIRI, Shinji | |
| **[279] Chiral symmetry of QCD with 12 light flavors** | LOMBARDO, Maria Paola | |
| **[104] The sphaleron rate in the electroweak crossover** | D'ONOFRIO, Michela | |
| **[36] Glimpse of $B\_K$ on the ultrafine ($a=0.045$ fm) lattices** | BAE, Taegil | |
| **[333] Gluon Mass in Landau Gauge QCD** | PEDRO, Bicudo | |
| **[237] Absolute Measure of Local Chirality and the Chiral Polarization Scale of the QCD Vacuum** | DRAPER, Terrence | |
| **[130] Critical properties of the two-dimensional Z(5) vector model** | CORTESE, Gennaro | |
| **[136] Improved automated lattice perturbation theory in background field gauge** | VON HIPPEL, Georg | |
| **[28] Octet baryon sigma terms and Baryon ChPT** | DURR, Stephan | |
| **[244] The QCD Phase Transition in a Strong Magnetic Background** | D'ELIA, Massimo | |
| **[243] QCD Phase Structure and Imaginary Endpoints** | D'ELIA, Massimo | |
| **[186] Better HMC integrators for dynamical simulations** | KENNEDY, Anthony<br>JOÓ, Bálint<br>CLARK, Mike<br>SILVA, Paulo | |
| **[173] A web-based visualization tool for lattice QCD** | DI PIERRO, Massimo | |
| **[171] BQCD -- Berlin quantum chromodynamics program** | STUEBEN, Hinnerk | |
| **[187] $K^0\text{-}\bar{K}^0$ mixing beyond the SM from $N\_f=2$ tmQCD** | DIMOPOULOS, PETROS | |
| **[188] AuroraScience: Supercomputing for LQCD.** | PIVANTI, marcello | |
| **[16] Minimal doubling and point splitting** | CREUTZ, Michael | |
| **[328] Lattice SU(2) on GPU's** | BICUDO, Pedro | |
| **[329] Improved Semileptonic Form Factor Calculations in Lattice QCD** | EVANS, Richard | |
| **[77] $O(\aplha\_L^2)$ perturbative Green's functions of the fermion propagator, and of local and extended fermion bilinear operators, with Symanzik improved gluons and SLiNC fermions.** | SKOUROUPATHIS, Apostolos | |
| **[73] Update on disconnected contributions to hadronic structure.** | COLLINS, Sara | |
| **[311] Unquenching the Landau Gauge Lattice Propagators and the Gribov Problem** | SILVA, Paulo | |

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| **[310] Definition of Instantons in Noncommutative Gauge Theory in Higher Dimensions** | MARKUM, Harald | |
| **[317] Hadron Form Factors at Large Transfer Momentum (II)** | LIN, Huey-Wen | |
| **[64] Rho meson at finite temperature from unquenched lattice QCD** | LOAN, Mushtaq | |
| **[68] Further properties of Minimally Doubled Fermions** | WEBER, Johannes | |
| **[69] Systemtic Uncertainties in $B_K$ calculated using staggered fermions** | JANG, Yong-Chull | |
| **[155] Shape of the proton in a uniform magnetic field** | KAMLEH, Waseem | |
| **[257] Transport coefficients of causal dissipative relativistic hydrodynamics in quenched lattice simulations** | MAEZAWA, Yu | |
| **[165] K -> pi pi matrix elements from 2+1 flavor lattice QCD** | LAIHO, John | |
| **[160] Phase diagram of the G2 gauge higgs model** | WELLEGEHAUSEN, Björn | |
| **[163] $N_c =2$ lattice gauge theories with fundamental and adjoint Wilson fermions** | MATSUFURU, Hideo | |
| **[216] Critical behavior of the compact 3D U(1) gauge theory at finite temperature** | PAPA, Alessandro GRAVINA, Mario FIORE, Roberto | |
| **[219] The continuum limit of hadronic correlation functions in the deconfined phase of an SU(3) gauge theory** | FRANCIS, Anthony | |
| **[283] Kaon and D meson masses with N_f = 2+1+1 twisted mass lattice QCD** | PALLANTE, Elisabetta | |
| **[265] Toward a well defined monopole creation operato** | BONATI, Claudio | |
| **[264] Staggered fermions simulations on GPUs** | BONATI, Claudio | |
| **[56] Improving many flavor QCD simulation using multiple GPU's** | ISHIKAWA, Kenichi | |
| **[119] The b Quark Mass from Lattice Nonrelativistic QCD** | CHRIS, Monahan | |
| **[303] Comparison of mass preconditioned HMC and DD-HMC algorithm for two-flavour QCD** | MARINKOVIC, Marina | |
| **[150] SU(3) Analysis of $B_K$ using staggered fermions** | KIM, Jangho | |
| **[157] Non-perturbative improvement of SU(2) gauge theory with fundamental or adjoint representation fermions** | MYKKÄNEN, Anne-Mari RANTAHARJU, Jarno | |
| **[45] Curvature of the chiral critical line in the T-\mu plane** | MUKHERJEE, Swagato | |
| **[41] Double pass variants for multi-shift BiCGStab(l)** | HEYBROCK, Simon | |