arXiv:hep-lat/0203004 v1 7 Mar 2002

LATTICE 2001

- PLENARY CONTRIBUTIONS
- PANEL DISCUSSION
  - Machine Reports
  - Cost of Dynamical Quark Simulations
- PARALLEL SESSIONS AND POSTERS
  - QCD Spectrum and Quark Masses
  - Hadronic Matrix Elements
  - Heavy Quark Physics
  - Non-Zero Temperature and Density
  - Topology and Confinement
  - Chiral Fermions and Chiral Gauge Theories
  - Improvement and Renormalization
  - Topics in Gauge Theories
  - Spin Models
  - Higgs, Yukawa and SUSY Theories
  - Quantum Gravity and Random Surfaces
  - Theoretical Developments
  - Algorithms and Machines

PLENARY CONTRIBUTIONS

hep-lat/0201011 [abs, ps, pdf, other] :

Title: CP Violation and the CKM Matrix
Authors: M. Beneke (RWTH Aachen)
Comments: Lattice2001(plenary), 14 pages, LaTeX

hep-lat/0201003 [abs, ps, pdf, other] :

Title: Progress in lattice algorithms
Authors: Mike Peardon
Comments: Lattice2001(plenary) 9 pages, 4 figures. Uses espcrc2.sty
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 3-11

hep-lat/0110175 [abs, ps, pdf, other] :

Title: Constrained Curve Fitting
Authors: G.P. Lepage, B. Clark, C.T.H. Davies, K. Hornbostel, P.B. Mackenzie, C. Morningstar, H. Trottier
Comments: Lattice2001(plenary); plenary talk given by G.P. Lepage at Lattice 2001 (Berlin); 9 pages, 5 figures (postscript specials)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 12-20

hep-lat/0110007 [abs, ps, pdf, other] :

Title: Lattice QCD on PCs?
Author: Martin Lüscher
Comments: Lattice2001(plenary), LaTeX source, 8 pages, figures included
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 21-28

hep-lat/0110192 [abs, ps, pdf, other] :

Title: The Microscopic Dirac Operator Spectrum
Author: P.H. Damgaard
Comments: Lattice2001(Plenary), 9 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 29-37

hep-lat/0111009 [abs, ps, pdf, other] :

Title: Topology and Low Lying Fermion Modes
Authors: Robert G. Edwards
Comments: Lattice2001(plenary), 9 pages, 9 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 38-46

hep-lat/0110193 [abs, ps, pdf, other] :

Title: Monopole fields from vortex sheets reconciling Abelian and center dominance
Authors: J. Froehlich, P.A. Marchetti
Comments: LaTeX file, 6 pages; Lattice2001(plenary)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 47-52

hep-lat/0111003 [abs, ps, pdf, other] :

Title: Chiral perturbation theory, dispersion relations and final state interactions in K -> pi pi
Authors: Gilberto Colangelo
Comments: Lattice2001(plenary) 10 pages, 6 figures, Invited plenary talk at Lattice 2001, Berlin, august 2001
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 53-61

hep-lat/0201012 [abs, ps, pdf, other] :

Title: Strings, quantum gravity and non-commutative geometry on the lattice
Authors: J. Ambjorn
Comments: Lattice(plenary)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 62-70

hep-lat/0111035 [abs, ps, pdf, other] :

Title: Analytic progress on exact lattice chiral symmetry
Authors: Yoshio Kikukawa
Comments: 9 pages, Lattice2001(plenary)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 71-79

hep-lat/0110218 [abs, ps, pdf, other] :

Title: Ginsparg-Wilson fermions: practical aspects and applications
Author: P. Hernandez (CERN)
Comments: 6 pages, Talk at Lattice 2001(plenary)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 80-85

hep-lat/0111010 [abs, ps, pdf, other] :

Title: Heavy quark physics from lattice QCD
Authors: Sinead Ryan (Trinity College, Dublin)
Comments: Lattice2001(plenary), 12 pages, 6 figures. Typos corrected, reference added
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 86-97

hep-lat/0112011 [abs, ps, pdf, other] :

Title: Matrix Elements of Light Quarks
Authors: G. Martinelli
Comments: 11 pages, 8 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 98-110

hep-lat/0110010 [abs, ps, pdf, other] :

Title: Spectrum Results with Kogut-Susskind Quarks
Authors: Doug Toussaint
Comments: 6 pages, contribution to Lattice2001(plenary) figures resized, reference added
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 111-116

hep-th/0111058 [abs, ps, pdf, other] :

Title: Dynamics of hot gauge theories
Authors: Laurence G. Yaffe
Comments: Lattice2001(plenary) talk, 8 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 117-124

hep-lat/0111005 [abs, ps, pdf, other] :

Title: Light hadron spectrum and quark masses
Authors: T.Kaneko
Comments: 9 pages, 9 figures, Lattice2001(plenary), minor modifications in the text and table 1
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 133-141

hep-lat/0109034 [abs, ps, pdf, other] :

Title: Lattice Matter
Authors: Simon Hands (U.W. Swansea)
Comments: 9 pages, 9 figures, plenary talk at ‘Lattice 2001’, Berlin, 19-24 August 2001
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 142-150

-> index

PANEL DISCUSSION

A. Machine Reports

hep-lat/0110197 [abs, ps, pdf, other] :

Title: The APENEXT project
Authors: F. Bodin, P. Boucaud, N. Cabibbo, F. Calvayrac, M. Della Morte, R. De Pietri, P. De Riso, F. Di Carlo, F. Di Renzo, W. Errico, R. Frezzotti, U. Gensch, T. Giorgino, M. Guagnelli, N. Herve, H. Kaldass, A. Lonardo, M. Lukyanov, G. Magazzu, J. Micheli, V. Morenas, L. Mori, F. Palombi, N. Paschedag, O. Pene, R. Petronzio, D. Pleiter, F. Rapuano, D. Rossetti, L. Sartori, H. Simma, F. Schifano, R. Tripiccione, P. Vicini
Comments: Lattice2001(plenary/machinestatus), 4 pages, 1 eps figure
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 173-176

hep-lat/0110124 [abs, ps, pdf, other] :

Title: Status of the QCDOC project
Authors: P.A. Boyle, D. Chen, N.H. Christ, C. Cristian, Z. Dong, A. Gara, B. Joó, C. Kim, L. Levkova, X. Liao, G. Liu, R.D. Mawhinney, S. Ohta, T. Wettig, A. Yamaguchi
Comments: Lattice2001(algorithms), 7 pages, 4 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 177-183

B. Cost of Dynamical Quark Simulations

hep-lat/0112039 [abs, ps, pdf, other] :

Title: Cost of dynamical quark simulations with improved staggered quarks
Authors: Steven Gottlieb (Fermilab/Indiana University)
Comments: Lattice2001(plenary) 3 pages, includes hep-lat references not in published version
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 189-190

hep-lat/0111062 [abs, ps, pdf, other] :

Title: Overlap and domain wall fermions: what is the price of chirality?
Authors: Karl Jansen
Comments: Contribution to Lattice2001 (panel discussion), Latex, 2 pages, 1 figure
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 191-192

-> index

PARALLEL SESSIONS AND POSTERS

A. QCD Spectrum and Quark Masses

hep-lat/0110134 [abs, ps, pdf, other] :

Title: Light Quark Masses with $N_f=2$ Wilson Fermions
Authors: N. Eicker, Th. Lippert, B. Orth, K. Schilling
Comments: Lattice2001(spectrum), minor corrections
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 209-211

hep-lat/0111011 [abs, ps, pdf, other] :

Title: Searching for dynamical fermion effects in UKQCD simulations
Authors: Chris Allton
Comments: 3 pages, 3 figures, Lattice2001(spectrum)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 212-214

hep-lat/0110130 [abs, ps, pdf, other] :

Title: QCD spectroscopy with three light quarks
Authors: F. Farchioni, C. Gebert, I. Montvay, W. Schroers
Comments: Lattice2001(spectrum), 3 pages, 4 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 215-217

hep-lat/0110171 [abs, ps, pdf, other] :

Title: Anisotropic Lattices and Dynamical Fermions
Authors: L. Levkova, T. Manke
Comments: Lattice2001(spectrum)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 218-220

hep-lat/0110112 [abs, ps, pdf, other] :

Title: Is the Up Quark Massless?
Authors: Daniel R. Nelson (1), George T. Fleming (1), Greg W. Kilcup (1) ((1) The Ohio State University)
Comments: 3 pages, 3 figures, uses espcrc2.sty, Lattice2001(spectrum)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 221-223

hep-lat/0110179 [abs, ps, pdf, other] :

Title: Exploration of sea quark effects in two-flavor QCD with the O(a)-improved Wilson quark action
Authors: JLQCD Collaboration: S. Aoki, R. Burkhalter, M. Fukugita, S. Hashimoto, K-I. Ishikawa, N. Ishizuka, Y. Iwasaki, K. Kanaya, T. Kaneko, Y. Kuramashi, M. Okawa, T. Onogi, S. Tominaga, N. Tsutsui, A. Ukawa, N. Yamada, T. Yoshie
Comments: 3 pages, 3 figures, Lattice2001(spectrum)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 224-226

hep-lat/0110077 [abs, ps, pdf, other] :

Title: A New Approach to eta' on the Lattice
Authors: K. Schilling, H. Neff, N. Eicker, Th. Lippert, J.W. Negele
Comments: Lattice(spectrum)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 227-229

hep-lat/0110151 [abs, ps, pdf, other] :

Title: I=2 Pion Scattering Length and Phase Shift with Wilson Fermions
Authors: CP-PACS Collaboration: S. Aoki, R. Burkhalter, M. Fukugita, S. Hashimoto, N. Ishizuka, Y. Iwasaki, K. Kanaya, T. Kaneko, Y. Kuramashi, V. Lesk, M. Okawa, Y. Taniguchi, A. Ukawa, T. Yoshié
Comments: Lattice2001(spectrum)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 230-232

hep-lat/0110127 [abs, ps, pdf, other] :

Title: Maximum entropy analysis of hadron spectral functions and excited states in quenched lattice QCD
Authors: CP-PACS Collaboration: S. Aoki, R. Burkhalter, M. Fukugita, S. Hashimoto, N. Ishizuka, Y. Iwasaki, K. Kanaya, T. Kaneko, Y. Kuramashi, M. Okawa, Y. Taniguchi, A. Ukawa, T. Yamazaki, T. Yoshié
Comments: Lattice2001(spectrum), 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 233-235

hep-lat/0110045 [abs, ps, pdf, other] :

Title: Mass renormalisation for improved staggered quarks
Authors: J. Hein, Q. Mason, G.P. Lepage, H. Trottier
Comments: LaTeX, 3 pages, Lattice2001(spectrum)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 236-238

hep-ph/0110139 [abs, ps, pdf, other] :

Title: The charm quark's mass in quenched QCD
Authors: Juri Rolf, Stefan Sint
Comments: Lattice2001(spectrum), 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 239-241

hep-lat/0110114 [abs, ps, pdf, other] :

Title: Non-perturbative parton mass for the gluon
Author: O. Philipsen (MIT)
Comments: Lattice2001(spectrum),3 pages, 3 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 242-244

hep-lat/0110143 [abs, ps, pdf, other] :

Title: Hadron Spectrum for Quenched Domain-Wall Fermions with DBW2 Gauge Action
Authors: Yasumichi Aoki, RBC collaboration
Comments: Lattice2001(spectrum), 3 pages, 5 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 245-247

hep-lat/0110164 [abs, ps, pdf, other] :

Title: N* Masses from an Anisotropic Lattice QCD Action
Authors: F.X. Lee, D.B. Leinweber, L. Zhou, J. Zanotti, S. Choe
Comments: Lattice2001(spectrum), 3 pages, 4 figures, new interpolating field
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 248-250

hep-lat/0110108 [abs, ps, pdf, other] :

Title: Hadron spectroscopy of twisted mass lattice QCD at beta = 6.0
Authors: UKQCD collaboration: Craig McNeile, Chris Michael
Comments: Lattice2001(spectrum)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 251-253

hep-lat/0110187 [abs, ps, pdf, other] :

Title: Chiral Loop Effects in the Quenched Scalar Isovector Propagator
Authors: W. Bardeen, A. Duncan, E. Eichten, H. Thacker
Comments: 3 pages, 3 figures, Lat2001 Proceedings
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 254-256

hep-lat/0111045 [abs, ps, pdf, other] :

Title: Analytic calculation of the mass gap in U(1)_{2+1} lattice gauge theory
Authors: John A.L. McIntosh, Lloyd C.L. Hollenberg
Comments: 6 pages, 3 figures, Lattice2001(spectrum)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 257-259

hep-lat/0110166 [abs, ps, pdf, other] :

Title: Quenched twisted mass QCD at small quark masses and in large volume
Authors: M. Della Morte (Univ. of Milano Bicocca), R. Frezzotti (Univ. of Milano Bicocca), J. Heitger (Univ. of Muenster)
Comments: 4 pages, 3 figures, to appear in Nucl. Phys. B (Proc. Suppl.)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 260-262

hep-lat/0110088 [abs, ps, pdf, other] :

Title: Non-trivial phase structure of $N_f=3$ QCD with $O(a)$-improved Wilson fermion at zero temperature
Authors: JLQCD Collaboration: S. Aoki, R. Burkhalter, M. Fukugita, S. Hashimoto, K-I. Ishikawa, N. Ishizuka, Y. Iwasaki, K. Kanaya, T. Kaneko, Y. Kuramashi, M. Okawa, T. Onogi, S. Tominaga, N. Tsutsui, A. Ukawa, N. Yamada, T. Yoshié
Comments: 3 pages, 5 figures, Lattice2001(spectrum)

Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 263-265

hep-ph/0110171 [abs, ps, pdf, other] :

Title: Unquenched calculation of alpha_s from Green functions: progress report
Authors: Ph. Boucaud, J.P. Leroy, J. Micheli, H. Moutarde, O. Pene, J. Rodriguez-Quintero, C. Roiesnel
Comments: 3 pages, 2 figures, Lattice2001 (spectrum)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 266-268

hep-lat/0110158 [abs, ps, pdf, other] :

Title: Exploiting finite-size-effects to simulate full QCD with light quarks - a progress report
Authors: B. Orth, N. Eicker, Th. Lippert, K. Schilling, W. Schroers, Z. Sroczynski
Comments: 3 pages, 6 figures, Lattice2001(spectrum)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 269-271

hep-lat/0112012 [abs, ps, pdf, other] :

Title: I=0 scalar channel
Authors: SCALAR Collaboration: S. Muroya, A. Nakamura, C. Nonaka, M. Sekiguchi, H. Wada
Comments: Talk given at 19th International Symposium on Lattice Field Theory (Lattice 2001), Berlin, Germany, 19-24 Aug 2001
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 272-274

hep-lat/0110044 [abs, ps, pdf, other] :

Title: Quenched Chiral Behavior of Hadrons with Overlap Fermions
Authors: Shao-Jing Dong, Terrence Draper, Ivan Horvath, Frank Lee, Jianbo Zhang
Comments: Lattice2001(spectrum), 3 pages, 4 figures (uses rotate.sty)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 275-277

hep-lat/0110029 [abs, ps, pdf, other] :

Title: Light hadron spectrum using an O(a)-improved Wilson action with two dynamical quark flavours
Authors: Derek J. Hepburn, UKQCD Collaboration
Comments: Lattice 2001 proceedings, 3 pages, 1 figure
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 278-280

hep-lat/0111016 [abs, ps, pdf, other] :

Title: Functional Forms for Lattice Correlators at Small Times
Authors: Danielle Blythe
Comments: 3 pages, 1 figure, Lattice2001(spectrum)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 284-286

hep-lat/0111046 [abs, ps, pdf, other] :

Title: Mesons in Transverse Lattice QCD at Strong Coupling and Large-N
Author: Apoorva Patel (CTS and SERC, IISc, Bangalore)
Comments: Lattice 2001 (spectrum), 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 287-289

-> index

B. Hadronic Matrix Elements

hep-lat/0109028 [abs, ps, pdf, other] :

Title: The strangeness content of the nucleon
Authors: C. Michael, C. McNeile, D. Hepburn, UKQCD Collaboration
Comments: contribution to Lattice2001(matrixelement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 293-295

hep-lat/0112040 [abs, ps, pdf, other] :

Title: A Lattice Study of the Magnetic Moment and the Spin Structure of the Nucleon
Authors: Valeriya Gadiyak, Xiangdong Ji, Chulwoo Jung
Comments: 14 pages, 3 figures, Talk given at Lattice2001, Berlin, Germany
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 296-298

hep-lat/0111012 [abs, ps, pdf, other] :

Title: Progress towards a lattice determination of (moments of) nucleon structure functions
Authors: S. Capitani, M. Gockeler, R. Horsley, D. Pleiter, P. Rakow, H. Stuben, G. Schierholz
Comments: 3 pages, Latex, 4 figures, Talk presented at Lattice2001(matrixelement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 299-301

hep-lat/0110053 [abs, ps, pdf, other] :

Title: Nucleon axial charge from quenched lattice QCD with domain wall fermions and improved gauge action
Authors: Shoichi Sasaki (1 and 2), Tom Blum (2), Shigemi Ohta (3 and 2), Kostas Orginos (2) ((1) Univ. of Tokyo, (2) RIKEN BNL, (3) KEK)
Comments: Lattice2001(matrixelement), Latex with espcrc2.sty, 3 pages, 3 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 302-304

hep-lat/0110057 [abs, ps, pdf, other] :

Title: The spin structure of the Lambda hyperon in quenched lattice QCD
Authors: M. Göckeler, R. Horsley, D. Pleiter, P.E.L. Rakow, S. Schaefer, A. Schäfer, G. Schierholz
Comments: Lattice2001(matrixelement), 3 pages, 2 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 305-307

hep-lat/0111006 [abs, ps, pdf, other] :

Title: The strong coupling constant from lattice QCD with N_f=2 dynamical quarks
Authors: S. Booth, M. Göckeler, R. Horsley, A.C. Irving, B. Joo, S. Pickles, D. Pleiter, P.E.L. Rakow, G. Schierholz, Z. Sroczynski, H. Stüben
Comments: Contribution to Lattice 2001 (matrix elements), typo corrected
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 308-310

hep-lat/0111004 [abs, ps, pdf, other] :

Title: Weak matrix elements for CP violation
Authors: T. Bhattacharya, G.T. Fleming, G. Kilcup, R. Gupta, W. Lee, S. Sharpe
Comments: 3 pages, 4 figures, Lattice 2001 (Hadronic Matrix Elements)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 311-313

hep-lat/0110144 [abs, ps, pdf, other] :

Title: Re A_0 and Re A_2 from Quenched Lattice QCD
Authors: Calin R. Cristian, RBC Collaboration
Comments: Lattice 2001(hadronic matrix elements), 3 pages, 4 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 314-316

hep-lat/0110185 [abs, ps, pdf, other] :

Title: ImA_0, ImA_2, and $\epsilon^\prime$ from quenched lattice QCD
Authors: T. Blum, RBC Collaboration
Comments: Three pages, latex, includes four eps figures. Contribution to the proceedings of the XIXth International Symposium on Lattice Field Theory, Berlin (hadronic matrix elements)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 317-319

hep-lat/0110097 [abs, ps, pdf, other] :

Title: K0-K0bar mixing from the Schroedinger functional and twisted mass QCD
Authors: M.Guagnelli, J.Heitger, C.Pena, S.Sint, A.Vladikas
Comments: Lattice2001(matrixelement); 3 pages, 1 eps figure. Two misprints corrected
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 320-322

hep-lat/0110169 [abs, ps, pdf, other] :

Title: Extraction of K-->pipi Matrix Elements with Wilson Fermions
Authors: Ph.Boucaud, V.Gimenez, C.J.D.Lin, V.Lubicz, G.Martinelli, M.Papinutto, F.Rapuano, C.T.Sachrajda: S.P.Qcd R. collaboration
Comments: 3 pages (5 figs), Lattice2001 (matrixelement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 323-325

hep-lat/0110006 [abs, ps, pdf, other] :

Title: Matrix elements of (delta S=2) operators with Wilson fermions
Authors: D.Becirevic, Ph.Boucaud, V.Gimenez, V.Lubicz, G.Martinelli, M.Papinutto
Comments: Lattice2001 (matrix elements), 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 326-328

hep-lat/0110206 [abs, ps, pdf, other] :

Title: $K\to\pi\pi$ matrix elements beyond the leading-order chiral expansion
Authors: Ph. Boucaud, V. Giménez, C.-J.D. Lin, V. Lubicz, G. Martinelli, M. Papinutto, F. Rapuano, C.T. Sachrajda (The SPQR Collaboration)
Comments: 3 pages, 1 figure, lattice 2001, matrixelement
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 329-331

hep-lat/0110142 [abs, ps, pdf, other] :

Title: Calculation of $K\to\pi\pi$ decay amplitudes from $K\to\pi$ matrix elements in quenched domain-wall QCD
Authors: CP-PACS Collaboration: S.Aoki, Y.Aoki, R.Burkhalter, S.Ejiri, M.Fukugita, S.Hashimoto, N.Ishizuka, Y.Iwasaki, T.Izubuchi, K.Kanaya, T.Kaneko, Y.Kuramashi, V.Lesk, K.-I.Nagai, J.Noaki, M.Okawa, Y.Taniguchi, A.Ukawa, T.Yoshi'e
Comments: Lattice2001(hadronic matrix elements), 3pages, 6 eps figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 332-334

hep-lat/0110183 [abs, ps, pdf, other] :

Title: Effects of Quenching and Partial Quenching on QCD Penguin Matrix Elements
Authors: Maarten Golterman, Elisabetta Pallante
Comments: 3 pages, Lattice2001(matrixelement), minor corrections
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 335-337

hep-lat/0110181 [abs, ps, pdf, other] :

Title: The Pion Light-Cone Wave Function Phi_pi on the lattice: a partonic signal?
Authors: A. Abada, Ph. Boucaud, G. Herdoiza, J.P. Leroy, J. Micheli, O. Pene, J. Rodriguez-Quintero
Comments: 3 pages, 4 figures, Lattice2001(matrixelement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 338-340

hep-lat/0110220 [abs, ps, pdf, other] :

Title: Pion Decay Constant, Z_A and Chiral Log from Overlap Fermions
Authors: S.J. Dong, T. Draper, I. Horvath, F.X. Lee, J.B. Zhang
Comments: Lattice2001(Hadronic Matrix Elements), 3pages, 5figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 341-343

hep-lat/0110163 [abs, ps, pdf, other] :

Title: Spectral density calculations in a heavy-light meson-meson system
Authors: LHPC; H. Rudolf Fiebig (FIU)
Comments: 3 pages, 5 figures, Lattice2001(matrixelement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 344-346

-> index

C. Heavy Quark Physics

hep-lat/0111025 [abs, ps, pdf, other] :

Title: Relativistic heavy quarks on the lattice
Authors: Sinya Aoki, Yoshinobu Kuramashi, Shin-ichi Tominaga
Comments: Lattice2001(heavyquark), 3 pages, 1 figure as eps-file
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 349-351

hep-lat/0110016 [abs, ps, pdf, other] :

Title: A strategy to compute the b-quark mass with non-perturbative accuracy
Authors: Jochen Heitger (Univ. Munster), Rainer Sommer (DESY Zeuthen)
Comments: Lattice2001(heavyquark) ; 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 358-360

hep-lat/0110104 [abs, ps, pdf, other] :

Title: Quenched charmonium near the continuum limit
Authors: QCD-TARO Collaboration: S. Choe, Ph. de Forcrand, M. Garcia Perez, S. Hioki, Y. Liu, H. Matsufuru, O. Miyamura, A. Nakamura, I.-O. Stamatescu, T. Takaishi, T. Umeda
Comments: Lattice2001(heavyquark), 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 361-363

hep-lat/0110129 [abs, ps, pdf, other] :

Title: Charmonium spectrum from quenched QCD on anisotropic lattices
Authors: CP-PACS Collaboration: S. Aoki, R. Burkhalter, S. Ejiri, M. Fukugita, S. Hashimoto, N. Ishizuka, Y. Iwasaki, K. Kanaya, T. Kaneko, Y. Kuramashi, V. Lesk, K. Nagai, M. Okamoto, M. Okawa, Y. Taniguchi, A. Ukawa, T. Yoshié
Comments: Lattice2001(heavyquark), 3 pages, 7 eps figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 364-366

hep-lat/0110207 [abs, ps, pdf, other] :

Title: Relativistic bottomonium spectrum from anisotropic lattices
Authors: X. Liao, T. Manke
Comments: 4 pages, 3 figures, Lattice2001 (heavyquark)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 367-369

hep-lat/0109014 [abs, ps, pdf, other] :

Title: Spin splittings among charmed hadrons
Authors: Randy Lewis, Nilmani Mathur, R. M. Woloshyn
Comments: Lattice2001(heavyquark), 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 370-372

hep-lat/0109006 [abs, ps, pdf, other] :

Title: The Isgur-Wise function on the lattice
Authors: UKQCD collaboration: G.N. Lacagnina
Comments: Lattice 2001 proc., 3 pages, 3 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 373-375

hep-lat/0110178 [abs, ps, pdf, other] :

Title: Heavy quark expansion parameters from lattice NRQCD
Authors: JLQCD Collaboration: N. Tsutsui, S. Aoki, R. Burkhalter, M. Fukugita, S. Hashimoto, K-I. Ishikawa, N. Ishizuka, Y. Iwasaki, K. Kanaya, T. Kaneko, Y. Kuramashi, M. Okawa, T. Onogi, S. Tominaga, A. Ukawa, N. Yamada, T. Yoshié
Comments: Lattice2001(heavyquark), 3 pages, 4 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 376-378

hep-lat/0110161 [abs, ps, pdf, other] :

Title: Heavy-light physics using NRQCD-staggered actions
Authors: Matthew Wingate, Junko Shigemitsu, G. Peter Lepage
Comments: Talk given at Lattice2001(heavyquark), 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 379-381

hep-lat/0110001 [abs, ps, pdf, other] :

Title: Determining hybrid content of heavy quarkonia using lattice nonrelativistic QCD
Authors: Tommy Burch, Kostas Orginos, Doug Toussaint
Comments: Lattice2001(heavyquark) ; 3 pages, 2 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 382-384

hep-lat/0110117 [abs, ps, pdf, other] :

Title: Combined Relativistic and static analysis for all Delta B=2 operators
Authors: D. Becirevic, V. Gimenez, G. Martinelli, M. Papinutto, J. Reyes
Comments: 3 pages, 1 figure. Lattice2001(heavyquark)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 385-387

hep-lat/0109026 [abs, ps, pdf, other] :

Title: Heavy light decay constants on the lattice
Authors: UKQCD Collaboration, C.M. Maynard
Comments: Lattice2001(heavyquark) 3 pages, 3 figures. Report number corrected
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 388-390

hep-lat/0109035 [abs, ps, pdf, other] :

Title: Semileptonic decay of a heavy-light pseudoscalar to a light vector meson
Authors: UKQCD Collaboration, J. Gill
Comments: Contribution to Lattice 2001 (heavy quarks); 3 pages, 4 figures. Typo corrected
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 391-393

hep-lat/0110194 [abs, ps, pdf, other] :

Title: The anti-B --> D* lepton anti-neutrino form factor at zero recoil and the determination of V(cb)
Authors: J.N. Simone, S. Hashimoto, A.S. Kronfeld, P.B. Mackenzie, S.M. Ryan
Comments: Lattice2001(HeavyQuark); 3 pages, 2 eps figures, espcrc2.sty
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 394-396

hep-lat/0110087 [abs, ps, pdf, other] :

Title: B meson B-parameters and the decay constant in two-flavor dynamical QCD
Authors: JLQCD Collaboration: N.Yamada, S.Aoki, R.Bulkhalter, M.Fukugita, S.Hashimoto, K-I.Ishikawa, N.Ishizuka, Y.Iwasaki, K.Kanaya, T.Kaneko, Y.Kuramashi, M.Okawa, T.Onogi, S.Tominaga, N.Tsutsui, A.Ukawa, T.Yoshié
Comments: 3 pages, 3 figures, Lattice2001(heavyquark)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 397-399

hep-lat/0110031 [abs, ps, pdf, other] :

Title: Heavy Baryons from Lattice NRQCD
Authors: Nilmani Mathur (1), Randy Lewis (2), R.M. Woloshyn (1) ((1) TRIUMF, Vancouver, Canada, (2) University of Regina, Regina, Canada)
Comments: Lattice2001(heavyquark),3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 400-402

hep-lat/0110115 [abs, ps, pdf, other] :

Title: Static three- and four-quark potentials
Authors: C. Alexandrou (Univ. of Cyprus), Ph.de Forcrand (ETH-Zurich and CERN), A. Tsapalis (Univ. of Athens)
Comments: Lattice2001(heavyquark)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 403-405

hep-lat/0110003 [abs, ps, pdf, other] :

Title: F_B from moving B mesons
Authors: S. Collins, G. Cowan, C. T. H. Davies, J. Hein, G. P. Lepage, C. Morningstar, J. Shigemitsue
Comments: Lattice2001(heavyquark)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 406-408

hep-lat/0110099 [abs, ps, pdf, other] :

Title: Constrained fitting of three-point functions
Authors: M. Gurtler, C.T.H. Davies, J. Hein, J. Shigemitsu, G. P. Lepage
Comments: Talk given at Lattice2001(heavyquark), 3 pages, 4 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 409-411

hep-lat/0110072 [abs, ps, pdf, other] :

Title: Heavy-light decay constants with three dynamical flavors
Authors: C. Bernard, T. Burch, S. Datta, T. DeGrand, C. DeTar, Steven Gottlieb, Urs M. Heller, K. Orginos, R. Sugar, D. Toussaint
Comments: contribution to Lattice2001(heavyquark); 3 pages, 3 postscript figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 412-414

-> index

D. Non-Zero Temperature and Density

hep-lat/0110039 [abs, ps, pdf, other] :

Title: The Chiral Critical Point in 3-Flavour QCD
Authors: Ch. Schmidt, K. Karsch, E. Laermann
Comments: Talk given at 19th International Symposium on Lattice Field Theory (Lattice 2001), Berlin, Germany, 19-24 Aug 2001. 3 pages, LaTeX2e File, 2 EPS-files, Lattice2001(hightemp)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 423-425

hep-lat/0111013 [abs, ps, pdf, other] :

Title: Study of 3-flavor QCD Finite Temperature Phase Transition with Staggered Fermions
Authors: X. Liao
Comments: Lattice2001(hightemp)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 426-428

hep-lat/0110067 [abs, ps, pdf, other] :

Title: Thermodynamics with 3 and 2+1 Flavors of Improved Staggered Quarks
Authors: C. Bernard, T. Burch, S. Datta, T.A. DeGrand, C.E. DeTar, Steven Gottlieb, U.M. Heller, K. Orginos, R.L. Sugar, D. Toussaint
Comments: 3 pages, 6 figures, contribution to Lattice2001(hightemp) August 19--24, 2001, Berlin, Germany
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 429-431

hep-lat/0202019 [abs, ps, pdf, other] :

Title: The phase diagram of QCD with two and four flavors: results with HYP fermions
Authors: A. Hasenfratz (Colorado U.), F. Knechtli (Humboldt U.)
Comments: 3 pages, 4 figures, Lattice2001(hightemp)

hep-lat/0109023 [abs, ps, pdf, other] :

Title: Quenched QCD at finite temperature with overlap Fermions
Authors: R. V. Gavai, Sourendu Gupta, R. Lacaze
Comments: Lattice2001(hightemp)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 435-437

hep-lat/0110102 [abs, ps, pdf, other] :

Title: Lattice QCD at finite T and \mu and the critical point of QCD
Authors: Z. Fodor, S.D. Katz
Comments: Lattice2001(hightemp) Talk given at Lattice2001, Berlin, 3 pages, 3 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 441-443

hep-lat/0110022 [abs, ps, pdf, other] :

Title: Lattice QCD at finite isospin density
Authors: J. B. Kogut, D. K. Sinclair
Comments: Lattice2001(hightemp), LaTeX, 3 pages, 3 postscript figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 444-446

hep-lat/0111032 [abs, ps, pdf, other] :

Title: Study of the SU(2) High Density System with Wilson Fermion
Authors: S. Muroya, A. Nakamura, C. Nonaka
Comments: Talk at Lattice 2001
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 453-455

hep-lat/0110145 [abs, ps, pdf, other] :

Title: 1/M correction to quenched QCD with non-zero baryon density
Authors: Gert Aarts, Olaf Kaczmarek, Frithjof Karsch, Ion-Olimpiu Stamatescu
Comments: Lattice2001(hightemp), 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 456-458

hep-lat/0110080 [abs, ps, pdf, other] :

Title: Aspects of the thermal phase transition of QCD with small chemical potential
Authors: S. Ejiri, C.R. Allton, S.J. Hands, O. Kaczmarek, F. Karsch, E. Laermann, L. Scorzato
Comments: Lattice2001(hightemp), 3pages, 3figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 459-461

hep-lat/0110223 [abs, ps, pdf, other] :

Title: Screening mass responses to the chemical potential at finite temperature
Authors: QCD-TARO Collaboration: S. Choe, Ph. de Forcrand, M. García Pérez, S. Hioki, Y. Liu, H. Matsufuru, O. Miyamura, A. Nakamura, I.-O. Stamatescu, T. Takaishi, T. Umeda
Comments: Lattice2001(hightemp), 3pages, 3figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 462-464

hep-lat/0110048 [abs, ps, pdf, other] :

Title: Lowest eigenvalues of the Dirac operator for two color QCD at nonzero chemical potential
Authors: Elmar Bittner, Maria-Paola Lombardo, Harald Markum, Rainer Pullirsch
Comments: Lattice2001(hightemp), 3 pages, 9 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 468-470

hep-lat/0202027 [abs, ps, pdf, other] :

Title: Instanton vacuum at finite density of quark matter
Authors: S.V. Molodtsov, G.M. Zinovjev
Comments: Lattice 2001 (Non-zero temperature and density), 3 pages, 4 figures

hep-lat/0110089 [abs, ps, pdf, other] :

Title: Chemical potential response of pseudoscalar meson masses in the Nambu--Jona-Lasinio model
Authors: O. Miyamura, S. Choe
Comments: Lattice2001(hightemp), 3 pages, 2 figs; figs changed
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 474-476

hep-lat/0110095 [abs, ps, pdf, other] :

Title: Equation of state for pure SU(3) gauge theory on anisotropic lattices
Authors: CP-PACS Collaboration: S.Aoki, R.Burkhalter, S.Ejiri, M.Fukugita, S.Hashimoto, N.Ishizuka, Y.Iwasaki, K.Kanaya, T.Kaneko, Y.Kuramashi, V.Lesk, Y.Namekawa, M.Okamoto, M.Okawa, Y.Taniguchi, A.Ukawa, T.Yoshié
Comments: Lattice2001(hightemp), 3 pages, 4 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 477-479

hep-lat/0110054 [abs, ps, pdf, other] :

Title: The Deconfinement Transition in SU(4) Lattice Gauge Theory
Authors: Rajiv V. Gavai
Comments: 3 pages, 2 figures, Lattice2001(hightemp)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 480-482

hep-lat/0110214 [abs, ps, pdf, other] :

Title: Test of the Polyakov Loop Model
Authors: Adrian Dumitru, Robert D. Pisarski
Comments: Lattice2001(hightemp), 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 483-485

hep-lat/0110017 [abs, ps, pdf, other] :

Title: Finite-size scaling and deconfinement transition in gauge theories
Authors: Roberto Fiore, Alessandro Papa, Paolo Provero
Comments: poster at Lattice2001(hightemp), 3 pages, 2 figures, uses espcrc2.sty
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 486-488

hep-lat/0110136 [abs, ps, pdf, other] :

Title: Application of Maximum Entropy Method to Dynamical Fermions
Authors: Jonathan Clowser, Costas Strouthos (Univ. of Wales Swansea)
Comments: 3 pages, 4 figures, Lattice2001(hightemp)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 489-491

hep-lat/0110182 [abs, ps, pdf, other] :

Title: Lattice QCD at finite temperature: Evidence for calorons from the eigenvectors of the Dirac operator
Authors: C. Gattringer, M. Göckeler, P.E.L. Rakow, A. Schäfer, W. Söldner, T. Wettig
Comments: Lattice2001(hightemp), 3 pages, 2 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 492-494

hep-lat/0110139 [abs, ps, pdf, other] :

Title: Finite temperature phase transition, adjoint Polyakov loop and topology in SU(2) LGT
Authors: A Barresi, G. Burgio, M. Muller-Preussker
Comments: 3 pages, 3 figures LaTeX file. Uses espcrc2 style and amssymb package. Talk given at Lattice2001, Berlin
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 495-497

hep-lat/0110014 [abs, ps, pdf, other] :

Title: Comparison of finite-size-scaling functions for 3d O(N) spin models to QCD
Authors: T. Schulze, J. Engels, S. Holtmann, T. Mendes (University Bielefeld, Germany)
Comments: Lattice2001(hightemp), 3 pages, 5 figures, acknowledgements completed, minor typographical errors corrected
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 498-500

hep-lat/0110024 [abs, ps, pdf, other] :

Title: Gauge potential singularities and the gluon condensate at finite temperatures
Authors: K. Langfeld, E.-M. Ilgenfritz, H. Reinhardt, G. Shin
Comments: 3 pages, 2 figures, talk presented by K. Langfeld at the 19th International Symposium on Lattice Field Theory (LATTICE2001), Berlin, 19.-24.8.2001, to appear in the proceedings
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 501-503

hep-lat/0110160 [abs, ps, pdf, other] :

Title: Bound states in the 3d Ising model and implications for QCD at finite temperature and density
Authors: M.Caselle, M.Hasenbusch, P.Provero, K.Zarembo
Comments: Lattice2001(hightemp)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 504-506

hep-lat/0110204 [abs, ps, pdf, other] :

Title: Study of spatial meson correlators at finite temperature in quenched anisotropic lattice QCD
Authors: K. Nomura, O. Miyamura, T. Umeda, H. Matsufuru
Comments: Lattice2001(hightemp), 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 507-509

hep-lat/0110132 [abs, ps, pdf, other] :

Title: Meson Spectral Functions at finite Temperature
Authors: I. Wetzorke, F. Karsch, E. Laermann, P. Petreczky, S. Stickan
Comments: Lattice2001(hightemp), 3 pages, 6 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 510-512

hep-lat/0110111 [abs, ps, pdf, other] :

Title: Temporal quark and gluon propagators: measuring the quasiparticle masses
Author: P. Petreczky, F. Karsch, E. Laermann, S. Stickan, I.Wetzorke
Comments: 3 pages LaTeX, Lattice2001 (hightemp)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 513-515

hep-lat/0111052 [abs, ps, pdf, other] :

Title: Glueball Properties at Finite Temperature
Authors: Noriyoshi Ishii (Wako, RIKEN), Hideo Suganuma (Tokyo Inst. Tech.), Hideo Matsufuru (Kyoto U., Yukawa Inst., Kyoto)
Comments: Talk given at LATTICE 2001, The XIX International Symposium on Lattice Field Thoery, Berlin, Germany, August 19 - 24, 2001, Lattice2001(hightemp), 1 figure, 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 516-518

hep-lat/0110103 [abs, ps, pdf, other] :

Title: Short distance physics with heavy quark potentials
Authors: F. Zantow, O. Kaczmarek, F. Karsch, P. Petreczky
Comments: Lattice2001(hightemp), 3 pages, 2 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 519-521

hep-lat/0110138 [abs, ps, pdf, other] :

Title: Testing Dimensional Reduction in SU(2) Gauge Theory
Authors: Slavo Kratochvila (ETH Zurich), Philippe de Forcrand (ETH Zurich and CERN)
Comments: Lattice2001(hightemp), AMS-LaTeX v1.2, 3 pages with 3 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 522-524

hep-lat/0110122 [abs, ps, pdf, other] :

Title: Measuring infrared contributions to the QCD pressure
Authors: K. Kajantie (Univ. Helsinki), M. Laine (CERN), K. Rummukainen (NORDITA), Y. Schroder (Univ. Helsinki & MIT)
Comments: 3 pages; talk by Y. Schroder at Lattice2001(hightemp)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 525-527

hep-lat/0110173 [abs, ps, pdf, other] :

Title: Phenomenological Models of the Quark-Gluon Plasma Equation of State
Authors: Peter N. Meisinger, Travis R. Miller, Michael C. Ogilvie
Comments: Lattice2001(hightemp); 3 pages, 3 eps figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 528-530

hep-lat/0110137 [abs, ps, pdf, other] :

Title: Evidence for a BKT transition and a pseudogap phase in three-dimensional Gross-Neveu model at nonzero temperature
Authors: Costas Strouthos (Univ. of Wales Swansea)
Comments: 3 pages, 3 figures, Lattice2001(hightemp)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 531-533

hep-lat/0109024 [abs, ps, pdf, other] :

Title: Spectral function at high temperature
Author: Gert Aarts (Heidelberg)
Comments: Lattice2001(hightemp), 3 pages with 3 eps figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 534-536

hep-lat/0110109 [abs, ps, pdf, other] :

Title: Nonequilibrium Aspects of Quantum Field Theory
Authors: Travis R. Miller, Michael C. Ogilvie
Comments: Lattice2001(hightemp); 3 pages, 3 eps figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 537-539

hep-lat/0110093 [abs, ps, pdf, other] :

Title: New Initial Conditions for Quantum Field Simulations after a Quench
Authors: M. Salle, J. Smit, J.C. Vink
Comments: Lattice2001(hightemp), 3 pages, 4 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 540-542

hep-lat/0110177 [abs, ps, pdf, other] :

Title: Anisotropic Lattice and Its Application to Quark Gluon Plasma
Authors: Sunao Sakai (Faculty of Education, Yamagata University), Atsushi Nakamura (Information Media Center, Hiroshima University), Takuya Saito (Department of Physics, Hiroshima University)
Comments: Lattice2001(hightemp), 3 pages in latex, 3 Postscript figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 543-545

hep-lat/0110092 [abs, ps, pdf, other] :

Title: Real--time dynamics of a hot Yang-Mills theory: a numerical analysis
Authors: J. Ambjorn, K. N. Anagnostopoulos, A. Krasnitz
Comments: 3 pages, 3 figures, Lattice2001(hitemp)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 546-548

-> index

E. Topology and Confinement

hep-lat/0110015 [abs, ps, pdf, other] :

Title: Chirally improved Dirac operators: Studying the sensitivity to topological excitations for zero and finite temperature
Authors: Christof Gattringer, Meinulf Göckeler, C.B. Lang, P.E.L. Rakow, Stefan Schaefer, Andreas Schäfer
Comments: Lattice2001(confinement), 9 pages, 8 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 551-559

hep-lat/0110186 [abs, ps, pdf, other] :

Title: The Low-lying Dirac Eigenmodes from Domain Wall Fermions
Authors: Guofeng Liu
Comments: Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 560-562

hep-lat/0110037 [abs, ps, pdf, other] :

Title: Topological Charge Fluctuations and Low-Lying Dirac Eigenmodes
Authors: S.J. Dong, T. Draper, I. Horvath, N. Isgur, F.X. Lee, J. McCune, J.B.Zhang, H.B. Thacker
Comments: 3 pages, 4 figures, Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 563-565

hep-lat/0110005 [abs, ps, pdf, other] :

Title: Understanding chiral symmetry breaking with the overlap action
Authors: Thomas DeGrand
Comments: Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 566-568

hep-lat/0111030 [abs, ps, pdf, other] :

Title: Low-lying fermion modes of Nf=2 improved Wilson fermions
Authors: R. Horsley, T.G. Kovacs, V. Linke, D. Pleiter, G. Schierholz
Comments: Lattice2001(confinement), 3 pages, 5 Figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 569-571

hep-lat/0111054 [abs, ps, pdf, other] :

Title: Unquenched Studies Using the Truncated Determinant Algorithm
Authors: A. Duncan (Univ. of Pittsburgh), E. Eichten (Fermilab), H. Thacker (Univ. of Virginia)
Comments: Lattice2001(confinement); 3pgs(Latex), 4figs.(ps)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 572-574

hep-lat/0110167 [abs, ps, pdf, other] :

Title: Glueballs and topology with O(a)-improved lattice QCD
Authors: A. Hart (DAMTP, Cambridge)
Comments: 4pp LaTeX, 4 EPS figures. Contribution to Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 575-577

hep-lat/0109037 [abs, ps, pdf, other] :

Title: Unquenching the topological susceptibility with an overlap action
Authors: Tamas G. Kovacs (NIC/DESY Zeuthen, & Pecs U.)
Comments: 3 pages, LaTeX with 3 eps figures, Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 578-580

hep-lat/0110121 [abs, ps, pdf, other] :

Title: Physical Observables from Lattice QCD at Fixed Topology
Authors: R. Brower, S. Chandrasekharan, J. W. Negele, U.-J. Wiese
Comments: Lattice 2001 (Confinement) 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 581-583

hep-lat/0111017 [abs, ps, pdf, other] :

Title: Dynamical suppression of large instantons
Authors: Gernot Münster, Christel Kamp (University of Muenster)
Comments: 2 pages, 1 figure, talk presented at Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 584-585

hep-lat/0108027 [abs, ps, pdf, other] :

Title: Abelian projected monopoles - to be or not to be
Authors: Pierre van Baal
Comments: 3p, 2 figs in 3 parts, Lattice 2001 (Topology)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 586-588

hep-lat/0110212 [abs, ps, pdf, other] :

Title: Classical solutions with nontrivial holonomy in SU(2) LGT at T \ne 0
Authors: E.-M. Ilgenfritz, B. V. Martemyanov, M. Müller-Preussker, A. I. Veselov
Comments: Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 589-591

hep-lat/0110046 [abs, ps, pdf, other] :

Title: Zero-modes of the QED Neuberger Dirac operator
Authors: Bernd A. Berg, Urs M. Heller, Harald Markum, Rainer Pullirsch, Wolfgang Sakuler
Comments: Lattice2001(confinement), 6 pages, 9 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 592-597

hep-lat/0110190 [abs, ps, pdf, other] :

Title: Topology and pion correlators -- a study in the N_f=2 Schwinger model
Authors: Stephan Dürr
Comments: Lattice2001(confinement), 3 pages, 2 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 598-600

hep-lat/0110061 [abs, ps, pdf, other] :

Title: Confinement and monopole condensation: some properties of the disorder parameter
Authors: A. Di Giacomo, G. Paffuti
Comments: Lattice2001(confinement) proceedings
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 604-606

hep-lat/0110058 [abs, ps, pdf, other] :

Title: Dual Superconductivity and Chiral Symmetry in Full QCD
Authors: J.M. Carmona, M. D'Elia, L. Del Debbio, A. Di Giacomo, B. Lucini, G. Paffuti
Comments: Lattice2001(confinement) proceedings, 3 pages, 2 eps figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 607-609

hep-lat/0110150 [abs, ps, pdf, other] :

Title: Numerical study of Frohlich and Marchetti monopole creation operator
Authors: V.A. Belavin, M.N. Chernodub, M.I. Polikarpov
Comments: 3 pages, 2 figures, Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 610-612

hep-lat/0109030 [abs, ps, pdf, other] :

Title: External Field Dependence of Deconfinement Temperature in SU(3)
Authors: Paolo Cea, Leonardo Cosmai
Comments: Lattice2001(confinement); 3 pages, 4 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 613-615

hep-lat/0110152 [abs, ps, pdf, other] :

Title: Quasi particles in hot QCD
Authors: P. Giovannangeli, C.P Korthals Altes
Comments: 3 pages. Talk given at Lattice2001
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 616-618

hep-lat/0110135 [abs, ps, pdf, other] :

Title: 't Hooft loops and consistent order parameters for confinement
Authors: Philippe de Forcrand (1), Lorenz von Smekal (2) ((1) ETH Zurich and CERN, (2) University Erlangen-Nuremberg)
Comments: 3 Pages, LaTeX 2.09 with espcrc2.sty, 4 Figures (epsfig), for Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 619-621

hep-lat/0110078 [abs, ps, pdf, other] :

Title: The Berry Phase and Monopoles in Gluodynamics
Authors: F.V. Gubarev, V.I. Zakharov
Comments: Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 622-624

hep-lat/0110084 [abs, ps, pdf, other] :

Title: Heavy monopole potential in gluodynamics
Authors: M.N. Chernodub, F.V. Gubarev, M.I. Polikarpov, V.I. Zakharov
Comments: 3 pages, 1 figure, Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 625-627

hep-lat/0110162 [abs, ps, pdf, other] :

Title: Monopoles and hybrids in Abelian projection of lattice QCD
Authors: P. Yu. Boyko, M. N. Chernodub, A. V. Kovalenko, S. M. Morozov, M.I. Polikarpov
Comments: Lattice2001(confinement), 3 pages, 1 eps figure
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 628-630

hep-lat/0110059 [abs, ps, pdf, other] :

Title: Topics of monopole dynamics in gluodynamics
Authors: T. Suzuki, Y. Koma, S. Ito, E.-M. Ilgenfritz, T.W. Park, M.I. Polikarpov, T. Yazawa
Comments: Lattice2001(confinement), 3 pages, 3 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 631-633

hep-lat/0111042 [abs, ps, pdf, other] :

Title: On the dynamics of color magnetic monopoles in full QCD
Authors: V. Bornyakov, H. Ichie, S. Kitahara, Y. Koma, Y. Mori, Y. Nakamura, M. Polikarpov, G. Schierholz, T. Streuer, H. Stüben, T. Suzuki
Comments: Contribution to Lattice 2001 (Topology)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 634-642

hep-lat/0110165 [abs, ps, pdf, other] :

Title: The Maximal Abelian Gauge in SU(3) Lattice Gauge Theory
Authors: William W. Tucker, John D. Stack
Comments: Lattice2001(confinement), 3 pages, 1 figure
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 643-645

hep-lat/0110209 [abs, ps, pdf, other] :

Title: Continuum limit in abelian projected SU(2) lattice gauge theory
Authors: V. Bornyakov, M. Muller-Preussker
Comments: Lattice2001(confinement), 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 646-648

hep-lat/0110026 [abs, ps, pdf, other] :

Title: A lattice study of the Faddeev-Niemi effective action
Authors: L. Dittmann, T. Heinzl, A. Wipf
Comments: 3 pages, 3 figures, Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 649-651

hep-lat/0109032 [abs, ps, pdf, other] :

Title: Center Dominance Recovered: Direct Laplacian Center Gauge
Authors: M. Faber, J. Greensite, S. Olejnik
Comments: 3 pages, 2 EPS figures, Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 652-654

hep-lat/0110012 [abs, ps, pdf, other] :

Title: Center vortex model for the infrared sector of Yang-Mills theory
Authors: M. Engelhardt, M. Faber, H. Reinhardt
Comments: Lattice2001(confinement) proceedings, 3 pages, 3 ps figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 655-657

hep-lat/0110055 [abs, ps, pdf, other] :

Title: Singular gauge potentials and the gluon condensate at zero temperature
Authors: K. Langfeld, E.-M. Ilgenfritz, H. Reinhardt, A. Schäfke
Comments: 3 pages, 4 figures, Contribution to ''Lattice 2001'' (confinement) to appear in the Proceedings (Nucl. Phys. B Proc. Suppl.)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 658-660

hep-lat/0110066 [abs, ps, pdf, other] :

Title: Susceptibility of Monte-Carlo Generated Projected Vortices
Authors: Roman Bertle, Michael Engelhardt, Manfried Faber
Comments: 3 pages, 4 figures; Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 661-663

hep-lat/0110098 [abs, ps, pdf, other] :

Title: Vortices in the SU(2)-Higgs model -- Vortices and the covariant adjoint Laplacian
Authors: Roman Bertle, Manfried Faber, Albert Hirtl
Comments: 3 pages, 4 figures; Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 664-666

hep-lat/0111020 [abs, ps, pdf, other] :

Title: Connection between Tomboulis vortices and projection vortices
Authors: A. Alexandru, Richard W. Haymaker
Comments: 3 pages, 2 eps figures, uses espcrc2.sty included
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 667-669

hep-lat/0110123 [abs, ps, pdf, other] :

Title: Vortex waistlines and vortex gas
Authors: T.G. Kovács (NIC/DESY Zeuthen & Pecs U.), E.T. Tomboulis (UCLA)
Comments: Lattice2001(confinement), 3 pages, 1 eps figure, LaTex
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 670-672

hep-lat/0110025 [abs, ps, pdf, other] :

Title: Manifestation of Confinement in the Gluon propagator
Authors: K. Langfeld, H. Reinhardt, J. Gattnar
Comments: 3 pages, 1 figure, talk presented by H. Reinhardt at the 19th International Symposium on Lattice Field Theory (LATTICE2001), Berlin, 19.-24.8.2001, to appear in the proceedings
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 673-675

hep-lat/0111018 [abs, ps, pdf, other] :

Title: Glueball and gluelump spectrum in abelian projected QCD
Authors: V. Bornyakov, G. Schierholz, T. Streuer
Comments: Lattice 2001(confinement), 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 676-678

hep-lat/0110064 [abs, ps, pdf, other] :

Title: String breaking mechanisms induced by magnetic and electric condensates
Authors: Ferdinando Gliozzi, Antonio Rago
Comments: 3 pages, 3 eps figures, Lattice2001(confinement) proceeding
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 682-684

hep-lat/0110004 [abs, ps, pdf, other] :

Title: Topology and Confinement in SU(N) Gauge Theories
Authors: B. Lucini, M. Teper
Comments: 3 pages, 2 figures; talk presented by B. Lucini at Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 685-687

hep-lat/0110101 [abs, ps, pdf, other] :

Title: Spectrum of k-string tensions in SU(N) gauge theories
Authors: L. Del Debbio, H. Panagopoulos, P. Rossi, E. Vicari
Comments: Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 688-690

hep-lat/0110157 [abs, ps, pdf, other] :

Title: The QCD String Spectrum and Conformal Field Theory
Authors: K.J. Juge, J. Kuti, C.J. Morningstar
Comments: Lattice2001 (confinement),3 pages,1 figure,uses espcrc2.sty
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 691-693

hep-lat/0110189 [abs, ps, pdf, other] :

Title: Confinement made simple in the Coulomb gauge
Authors: Attilio Cucchieri, Daniel Zwanziger
Comments: 3 pages; talk presented by D. Zwanziger at Lattice2001(confinement), Berlin, August 20-24, 2001
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 694-696

hep-lat/0110188 [abs, ps, pdf, other] :

Title: SU(2) Running Coupling Constant and Confinement in Minimal Coulomb and Landau Gauges
Authors: Attilio Cucchieri, Tereza Mendes, Daniel Zwanziger
Comments: 3 pages and 2 figures; talk presented by A. Cucchieri at Lattice2001(confinement), Berlin, August 20-24, 2001
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 697-699

hep-lat/0110191 [abs, ps, pdf, other] :

Title: Theta term instead of the Higgs field in Electroweak theory
Authors: M.I. Polikarpov, A.I. Veselov, M.A. Zubkov
Comments: Lattice2001(confinement), 3 pages, 1 eps figure
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 700-702

hep-lat/0110038 [abs, ps, pdf, other] :

Title: Monopoles, confinement and deconfinement in lattice compact QED in (2+1)D with external fields
Authors: M.N. Chernodub, E.-M. Ilgenfritz, A. Schiller
Comments: 3 pages, 5 figures, Lattice2001(confinement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 703-705

-> index

F. Chiral Fermions and Chiral Gauge Theories

hep-lat/0110023 [abs, ps, pdf, other] :

Title: Properties of a New Class of Lattice Dirac Operators
Authors: Kazuo Fujikawa, Masato Ishibashi
Comments: 3 pages, Lattice2001(chiral femions)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 712-714

hep-lat/0110083 [abs, ps, pdf, other] :

Title: The Index and Axial Anomaly of a lattice Dirac operator
Authors: Ting-Wai Chiu
Comments: 3 pages, LaTex, Lattice2001(chiral)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 715-717

hep-lat/0110126 [abs, ps, pdf, other] :

Title: Chiral property of domain-wall fermion from eigenvalues of 4D Wilson-Dirac Operator
Authors: CP-PACS Collaboration: S. Aoki, Y. Aoki, R. Burkhalter, S. Ejiri, M. Fukugita, S. Hashimoto, N. Ishizuka, Y. Iwasaki, T. Izubuchi, K. Kanaya, T. Kaneko, Y. Kuramashi, V. Lesk, K.-I. Nagai, M. Okawa, Y. Taniguchi, A. Ukawa, T. Yoshié
Comments: Lattice2001(chiral), 3 pages, 5 Postscript figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 718-720

hep-lat/0110074 [abs, ps, pdf, other] :

Title: Chiral properties of domain wall fermions with improved gauge actions
Authors: Konstantinos Orginos, RBC Collaboration
Comments: Lattice2001(chiral), 3 pages, 2 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 721-723

hep-lat/0110172 [abs, ps, pdf, other] :

Title: Staggered domain wall fermions
Authors: G. T. Fleming, P. M. Vranas
Comments: 6 pages, Lattice2001(chiral)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 724-729

hep-lat/0110043 [abs, ps, pdf, other] :

Title: Investigation of gauge-fixed pure U(1) theory at strong coupling
Authors: S. Basak, Asit K. De (SINP, Calcutta)
Comments: Lattice 2001 (chiral)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 730-732

hep-lat/0110079 [abs, ps, pdf, other] :

Title: A Simulation of the ’t Hooft Model at finite N_c with the Overlap Dirac Operator
Authors: F. Berruto, L. Giusti, C. Hoelbling, C. Rebbi
Comments: 3 pages, 2 figures, Lattice2001(chiral)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 733-735

hep-lat/0110184 [abs, ps, pdf, other] :

Title: Quenched Results for Light Quark Physics with Overlap Fermions
Authors: L. Giusti, C. Hoelbling, C. Rebbi
Comments: LATTICE2001(Chiral Fermions and Gauge Theories), 9 pages, 5 figure, CPT 2001/P.4250
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 739-747

hep-lat/0109007 [abs, ps, pdf, other] :

Title: Chiral measurements with the Fixed-Point Dirac operator and construction of chiral currents
Authors: P. Hasenfratz, S. Hauswirth, K. Holland, T. Jorg, F. Niedermayer
Comments: Lattice2001(chiral), based on a talk by T.J. and a poster by K.H., 6 pages

Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 751-756

hep-lat/0110070 [abs, ps, pdf, other] :

Title: The overlap operator as a continued fraction
Authors: A. Borici, A. D. Kennedy, B. J. Pendleton, U. Wenger
Comments: 3 pages, 1 figure, talk presented by U. Wenger at Lattice2001(chiral)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 757-759

hep-lat/0110009 [abs, ps, pdf, other] :

Title: A new fermion Hamiltonian for lattice gauge theory
Authors: Michael Creutz (Brookhaven), Ivan Horváth (Kentucky), Herbert Neuberger (Rutgers)
Comments: Lattice2001(chiral), 3 pages, 4 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 760-762

hep-lat/0111036 [abs, ps, pdf, other] :

Title: On the lattice construction of electroweak gauge theory
Authors: Yoshio Kikukawa, Yoichi Nakayama, Hiroshi Suzuki
Comments: Lattice2001(chiral), 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 763-765

hep-lat/0110199 [abs, ps, pdf, other] :

Title: Scalar condensate and light quark masses from overlap fermions
Authors: Pilar Hernandez, Karl Jansen, Laurent Lellouch, Hartmut Wittig
Comments: Lattice2001(chiral), 6 pages, 5 PostScript figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 766-771

hep-lat/0110170 [abs, ps, pdf, other] :

Title: Finite-volume meson propagators in quenched chiral perturbation theory
Authors: P.H. Damgaard, M.C. Diamantini, P. Hernandez, K. Jansen
Comments: 3 pages, Lattice2001(chiral fermions)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 772-774

-> index

G. Improvement and Renormalization

hep-lat/0110120 [abs, ps, pdf, other] :

Title: Nonperturbative tuning of $O(a^2)$ improved staggered fermions
Authors: Massimo Di Pierro, Paul Mackenzie
Comments: 3 pages. Lattice 2001 proceedings
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 777-779

hep-lat/0110128 [abs, ps, pdf, other] :

Title: Non-perturbative renormalization for a renormalization group improved gauge action
Authors: CP-PACS Collaboration: S.Aoki, R.Burkhalter, M.Fukugita, S.Hashimoto, K.Ide, N.Ishizuka, Y.Iwasaki, K.Kanaya, T.Kaneko, Y.Kuramashi, V.Lesk, M.Okawa, Y.Taniguchi, A.Ukawa, T.Yoshié
Comments: Lattice2001(improvement), 3 pages, 7 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 780-782

hep-lat/0109036 [abs, ps, pdf, other] :

Title: A nonperturbative determination of c_A and the scaling of f_pi and m^{MSbar}
Authors: S.Collins, C.T.H.Davies, G.P.Lepage, J.Shigemitsu
Comments: Lattice2001(improvement), 3 pages, 3 postscript figures, espcrc2.sty
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 783-785

hep-lat/0111002 [abs, ps, pdf, other] :

Title: Renormalization constants using quark states in Landau gauge
Author: Tanmoy Bhattacharya, Rajan Gupta, Weonjong Lee
Comments: Talk presented at Lattice2001(improvement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 786-788

hep-lat/0111001 [abs, ps, pdf, other] :

Title: Scaling behavior of improvement and renormalization constants
Author: Tanmoy Bhattacharya, Rajan Gupta, Weonjong Lee, Stephen Sharpe
Comments: 3 pages. Contribution to LATTICE01(Improvement), August, 2001, Berlin, Germany
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 789-791

hep-lat/0110105 [abs, ps, pdf, other] :

Title: Where do perturbative and non-perturbative QCD meet?
Authors: G.S. Bali, P. Boyle, C.T.H. Davies
Comments: 3 pages, 4 figures, Talk at Lattice 2001 in renormalisation and improvement session
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 796-798

hep-lat/0109004 [abs, ps, pdf, other] :

Title: First results from a parametrized Fixed-Point QCD action
Authors: P. Hasenfratz, S. Hauswirth, K. Holland, T. Jorg, F. Niedermayer
Comments: Lattice2001(improvement), 3 pages, based on a talk by S.H; reference updated
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 799-801

hep-lat/0110085 [abs, ps, pdf, other] :

Title: One-loop renormalization of heavy-light currents
Authors: J. Harada, S. Hashimoto, K.-I. Ishikawa, A. S. Kronfeld, T. Onogi, N. Yamada
Comments: Lattice2001(improvement), 3 pages, 4 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 802-804

hep-lat/0110176 [abs, ps, pdf, other] :

Title: O(a) improved Wilson quark action on anisotropic lattice
Authors: T. Umeda (CCP, Univ. Tsukuba), H. Matsufuru, T. Onogi (YITP, Kyoto Univ.)
Comments: Lattice2001(improvement), LaTeX, 3 pages, 6 postscript figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 805-810

hep-lat/0110118 [abs, ps, pdf, other] :

Title: The Static Potential to O(\alpha^2) in Lattice Perturbation Theory
Authors: Peter Boyle, Gunnar S Bali
Comments: Lattice2001(improvement) 3 pages, 3 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 811-813

hep-lat/0110140 [abs, ps, pdf, other] :

Title: Some remarks on O(a) improved twisted mass QCD
Authors: Roberto Frezzotti, Stefan Sint
Comments: Lattice2001(improvement), 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 814-816

hep-lat/0110021 [abs, ps, pdf, other] :

Title: Improved non-perturbative renormalization without c_{NGI}
Authors: Stephen R. Sharpe
Comments: 3 pages. Lattice2001(improvement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 817-819

hep-lat/0110081 [abs, ps, pdf, other] :

Title: Lattice Quark Propagator in Landau and Laplacian Gauges
Authors: P.O. Bowman, U.M. Heller, A.G. Williams
Comments: Lattice2001(improvement), 3 pages, 5 figs
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 820-822

hep-lat/0110133 [abs, ps, pdf, other] :

Title: Larger physical volume with a noncompact lattice regularization of SU(N) theories
Authors: Giuseppe Di Carlo, Fabrizio Palumbo, Roberto Scimia
Comments: Lattice2001(improvement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 823-825

hep-lat/0108028 [abs, ps, pdf, other] :

Title: Perturbative renormalization for overlap fermions
Authors: Stefano Capitani (MIT)
Comments: 3 pages, Lattice2001(improvement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 826-828

hep-lat/0111027 [abs, ps, pdf, other] :

Title: Fast evaluation and locality of overlap fermions
Authors: W. Bietenholz, I. Hip, K. Schilling
Comments: Talk presented at Lattice 2001 (improvement), 3 pages, 3 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 829-831

hep-lat/0110225 [abs, ps, pdf, other] :

Title: O(a) improved QCD: The 3-loop beta-function, and the critical hopping parameter
Authors: A. Bode (1), H. Panagopoulos (2), Y. Proestos (2,3) ((1) CSIT, Tallahasse, USA, (2) Department of Physics, University of Cyprus, (3) Department of Physics, Ohio State University, USA)
Comments: 3 pages, contribution to Lattice2001(improvement). Longer write-ups of the two calculations can be found in hep-lat/0110211 and hep-lat/0108021
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 832-834

hep-lat/0110068 [abs, ps, pdf, other] :

Title: High-accuracy two-loop computation of the critical mass for Wilson fermions
Authors: Sergio Caracciolo, Andrea Pelissetto, Antonio Rago
Comments: Lattice2001(improvement): 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 835-837

hep-lat/0110051 [abs, ps, pdf, other] :

Title: Second Order Perturbation Theory for Improved Gluon and Staggered Quark Actions
Authors: M. Nobes, H. Trottier, G.P. Lepage, Q. Mason
Comments: 3 pages, LaTeX, Lattice2001(improvement)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 838-840

hep-lat/0109027 [abs, ps, pdf, other] :

Title: Quark-gluon vertex in a momentum subtraction scheme
Authors: J.Skullerud, A.Kizilersu, A.G.Williams
Comments: Lattice2001(improvement); 3 pages, 3 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 841-843

hep-lat/0112005 [abs, ps, pdf, other] :

Title: Non-perturbative renormalization in domain-wall QCD by Schr\"odinger functional scheme
Authors: CP-PACS Collaboration: S. Aoki, Y. Aoki, S. Ejiri, M. Fukugita, S. Hashimoto, N. Ishizuka, Y. Iwasaki, T. Izubuchi, K. Kanaya, T. Kaneko, Y. Kuramashi, M. Okawa, Y. Taniguchi, A. Ukawa, T. Yoshie
Comments: Lattice2001(improvement), LaTex(espcrc2.sty), 3 pages, 5 eps figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 844-846

hep-lat/0110131 [abs, ps, pdf, other] :

Title: The Charm Quark Mass to Two-Loop Order
Authors: K.J. Juge
Comments: Lattice 2001 (Improvement),3 pages,2 figures,uses espcrc2.sty
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 847-849

hep-lat/0111058 [abs, ps, pdf, other] :

Title: Properties of the renormalized quark mass in the Schrodinger functional with a non-vanishing background field
Authors: Stefan Kurth
Comments: 3 pages, based on a poster presented at 19th International Symposium on Lattice Field Theory (Lattice 2001), Berlin, Germany, 19-24 Aug 2001
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 850-852

hep-lat/0110086 [abs, ps, pdf, other] :

Title: Improved Hamiltonian Lattice Gauge Theory
Authors: J. Carlsson, J. A. L. McIntosh, B. H. J. McKellar, L. C. L. Hollenberg
Comments: Lattice2001(improvement), 3 pages, 1 figure
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 853-855

hep-lat/0110147 [abs, ps, pdf, other] :

Title: Highly Improved Naive and Staggered Fermions
Authors: Howard D. Trottier, G. Peter Lepage, Paul B. Mackenzie, Quentin Mason, Matthew A. Nobes
Comments: Contribution to Lattice2001(improvement); 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 856-858

hep-lat/0110201 [abs, ps, pdf, other] :

Title: The Schroedinger functional coupling in quenched QCD at low energies
Authors: Jochen Heitger, Hubert Simma, Rainer Sommer, Ulli Wolff
Comments: Lattice2001(improvement), 3 pages, latex2e, 5 Postscript figures, uses epsfig, amssymb and espcrc2
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 859-861

hep-lat/0110060 [abs, ps, pdf, other] :

Title: The N_f=0 heavy quark potential and perturbation theory
Authors: Silvia Necco
Comments: Lattice2001(improvement) acknowledgement added
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 862-864

-> index

H. Topics in Gauge Theories

hep-ph/0110172 [abs, ps, pdf, other] :

Title: Power Corrections to Perturbative QCD and OPE in Gluon Green Functions
Authors: D. Becirevic, Ph. Boucaud, F. De Soto, A. Le Yaouanc, J.P. Leroy, J. Micheli, O. Pène, J Rodrí guez-Quintero, C. Roiesnel
Comments: 3 pages 1 figure lattice2001 (gaugetheories)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 867-869

hep-lat/0110210 [abs, ps, pdf, other] :

Title: Separating perturbative and non-perturbative contributions to the plaquette
Authors: R. Horsley, P.E.L. Rakow, G. Schierholz
Comments: Latex, 3 pages, 5 figures. Lattice2001(gaugetheories)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 870-872

hep-lat/0111040 [abs, ps, pdf, other] :

Title: Zero temperature phase structure of multi-flavor QCD
Authors: Seyong Kim, Shigemi Ohta
Comments: Talk presented at Lattice 2001(topics in gauge theory),3 pages, 4 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 873-875

hep-lat/0110219 [abs, ps, pdf, other] :

Title: Screening Masses in Dimensionally Reduced (2+1)D Gauge Theory
Authors: P. Bialas, A. Morel, B.Petersson, K. Petrov
Comments: 3 pages, Lattice 2001(gaugetheories)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 882-884

-> index

I. Spin Models

hep-lat/0109012 [abs, ps, pdf, other] :

Title: Atomic Bose Condensation and the Lattice
Author: Guy D. Moore
Comments: Lattice2001(spin)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 887-889

hep-lat/0109018 [abs, ps, pdf, other] :

Title: Cluster Percolation and Explicit Symmetry Breaking in Spin Models
Authors: Santo Fortunato (U. of Bielefeld), Helmut Satz (U. of Bielefeld)
Comments: Proceedings of Lattice 2001 (Berlin), 3 pages, 3 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 890-892

hep-lat/0109013 [abs, ps, pdf, other] :

Title: Specific heat and energy for the three-dimensional O(2) model
Authors: S. Holtmann, J. Engels, T. Schulze (University Bielefeld, Germany)
Comments: Lattice2001(spin), 3 pages, 4 figures
Subj-class: High Energy Physics - Lattice; Statistical Mechanics
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 893-895

hep-lat/0110069 [abs, ps, pdf, other] :

Title: Spin models on Platonic solids and asymptotic freedom
Authors: Sergio Caracciolo, Andrea Montanari, Andrea Pelissetto
Comments: Lattice2001(spin), 3 pages, 4 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 902-904

hep-lat/0112032 [abs, ps, pdf, other] :

Title: Phase transition strengths from the density of partition function zeroes
Authors: Wolfhard Janke (Leipzig), Ralph Kenna (Dublin)
Comments: 3 pages, LaTeX, 4 postscript figures, Lattice2001(spin)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 905-907

hep-lat/0110146 [abs, ps, pdf, other] :

Title: Large Field Cutoffs Make Perturbative Series Converge
Authors: Yannick Meurice
Comments: Lattice2001(spin), 3 pages, 4 figures, uses espcrc2.sty
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 908-910

hep-lat/0110202 [abs, ps, pdf, other] :

Title: Nonstandard Cutoff Effects in the Nonlinear Sigma Model
Authors: Martin Hasenbusch, Peter Hasenfratz, Ferenc Niedermayer, Bernhard Seefeld, Ulli Wolff
Comments: 3 pages, 2 figures, Lattice2001(spin)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 911-913

hep-lat/0110119 [abs, ps, pdf, other] :

Title: Finite-size scaling of interface free energies in the 3d Ising model
Authors: M. Pepe (Paris-Sud U.), Ph. de Forcrand (ETH and CERN)
Comments: Lattice2001(Spin models), 3 pages, 4 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 914-916

hep-lat/0109025 [abs, ps, pdf, other] :

Title: Self-Duality and Statistical Systems without Internal Energy Scaling Terms at Criticality
Author: M. A. Yurishchev
Comments: "Lattice 2001" (spin models); 3 pages, no figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 917-919

-> index

J. Higgs, Yukawa and SUSY Theories

hep-lat/0110071 [abs, ps, pdf, other] :

Title: A Two-Dimensional Lattice Model with Exact Supersymmetry
Authors: S. Catterall, S. Karamov
Comments: Lattice2001(higgssusy)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 935-937

hep-lat/0110110 [abs, ps, pdf, other] :

Title: Lattice supersymmetric Ward identities
Authors: F. Farchioni, A. Feo, T. Galla, C. Gebert, R. Kirchner, I. Montvay, G. Münster, A. Vladikas
Comments: 3 pages, 2 figures, Lattice2001(higgssusy)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 938-940

hep-lat/0110113 [abs, ps, pdf, other] :

Title: SUSY Ward identities in 1-loop perturbation theory
Authors: Federico Farchioni, Alessandra Feo, Tobias Galla, Claus Gebert, Robert Kirchner, Istvan Montvay, Gernot Muenster, Roland Peetz, Anastassios Vladikas
Comments: Lattice2001(higgssusy); 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 941-943

hep-lat/0110056 [abs, ps, pdf, other] :

Title: Hamiltonian Monte Carlo simulation of the two-dimensional Wess-Zumino model
Authors: Matteo Beccaria, Massimo Campostrini, Alessandra Feo
Comments: Lattice2001(higgssusy); 3 pages, 2 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 944-946

hep-lat/0110082 [abs, ps, pdf, other] :

Title: Super Yang-Mills Theory on Lattice and the Transformation
Authors: K. Itoh, M. Kato, H. Sawanaka, H. So, N. Ukita
Comments: 3pages,3 figures, talk presented by H. So at Lattice2001(higgssusy)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 947-949

hep-lat/0110020 [abs, ps, pdf, other] :

Title: Branes in the 5D Abelian Higgs Model
Authors: P. Dimopoulos, K. Farakos, C. P. Korthals-Altes, G. Koutsoumbas, S. Nicolis
Comments: 3 pages, 5 figures. Contribution to Lattice2001(higgssusy)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 950-952

hep-lat/0110008 [abs, ps, pdf, other] :

Title: Dynamics of the Scalar Condensate in thermal 4D self-interacting Scalar Field Theory on the Lattice
Authors: P. Cea, M. Consoli, L. Cosmai
Comments: Lattice2001(higgssusy); 3 pages, 2 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 953-955

hep-lat/0110062 [abs, ps, pdf, other] :

Title: Critical behaviour of the Ginzburg-Landau model in the type II region
Authors: K. Kajantie, M. Laine, T. Neuhaus, A. Rajantie, K. Rummukainen
Comments: Lattice2001(higgssusy), 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 959-961

-> index

K. Quantum Gravity and Random Surfaces

hep-lat/0110094 [abs, ps, pdf, other] :

Title: On the Quantum Geometry of String Theory
Authors: J. Ambjorn, K.N. Anagnostopoulos, W. Bietenholz, F. Hofheinz, J. Nishimura
Comments: 3 pages, 2 figures, Lattice2001(surfaces)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 965-967

hep-lat/0111034 [abs, ps, pdf, other] :

Title: Towards the lattice study of M-theory (II)
Authors: P.Bialas, J.Wosiek
Comments: Talk presented at XIX International Symposium on Lattice Field Theory lattice2001(surfaces)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 968-970

hep-lat/0110042 [abs, ps, pdf, other] :

Title: Clear Evidence of a Continuum Theory of 4D Euclidean Simplicial Quantum Gravity
Authors: H.S.Egawa, S.Horata, T.Yukawa
Comments: 3 pages, LaTeX, Lattice2001(surfaces)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 971-973

hep-th/0201104 [abs, ps, pdf, other] :

Title: A Lorentzian cure for Euclidean troubles
Authors: J. Ambjorn (NBI, Copenhagen), A. Dasgupta (AEI, Golm), J. Jurkiewicz (U. Krakow), R. Loll (U. Utrecht)
Comments: 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 977-979

hep-lat/0201013 [abs, ps, pdf, other] :

Title: 3d Lorentzian, Dynamically Triangulated Quantum Gravity
Authors: J. Ambjorn, J. Jurkiewicz, R. Loll
Comments: Lattice2001(surface)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 980-982

hep-lat/0110100 [abs, ps, pdf, other] :

Title: Fat and Thin Fisher Zeroes
Authors: W. Janke (ITP, Universitat Leipzig), D. Johnston, M. Stathakopoulos (Heriot-Watt University, Edinburgh)
Comments: 3 pages, LaTeX, Lattice2001(surfaces)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 983-985

hep-lat/0110050 [abs, ps, pdf, other] :

Title: Spins coupled to a Z_2-Regge lattice in 4d
Authors: Elmar Bittner, Wolfhard Janke, Harald Markum
Comments: Lattice2001(surfaces), 3 pages, 2 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 989-991

-> index

L. Theoretical Developments

hep-lat/0110040 [abs, ps, pdf, other] :

Title: Quark and Gluon Propagators in Covariant Gauges
Authors: L. Giusti, M.L. Paciello, S. Petrarca, B. Taglienti, N. Tantalo
Comments: Lattice2001(theorydevelop)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 995-997

hep-lat/0111019 [abs, ps, pdf] :

Title: The Relationship of the Laplacian Gauge to the Landau Gauge
Authors: Jeffrey E. Mandula
Comments: 3 pages; postscript only; LATTICE2001(Theoretical Developments)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 998-1000

hep-lat/0110036 [abs, ps, pdf, other] :

Title: The $U_A(1)$ Problem on the Lattice
Authors: L. Giusti, G.C. Rossi, M. Testa, G. Veneziano
Comments: 3 pages, talk presented by G.C. Rossi at Lattice2001(theorydevelop)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1001-1003

hep-lat/0110155 [abs, ps, pdf, other] :

Title: The Consequences of Non-Normality
Authors: I. Hip, Th. Lippert, H. Neff, K. Schilling, W. Schroers
Comments: Lattice2001(theorydevelop)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1004-1006

hep-th/0110043 [abs, ps, pdf, other] :

Title: Generalized parity transformations in lattice Chern-Simons theory
Authors: C. D. Fosco, A. Lopez
Comments: 3 pages, LaTeX. Talk given at Lattice2001(theorydevelop)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1007-1009

hep-lat/0110034 [abs, ps, pdf, other] :

Title: The dual of non-Abelian Lattice Gauge Theory
Authors: Hendryk Pfeiffer, Robert Oeckl
Comments: 3 pages, LaTeX, Lattice2001(theorydevelop)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1010-1012

hep-lat/0110203 [abs, ps, pdf, other] :

Title: Numerical Quantum Field Theory on the Continuum and a New Look at Perturbation Theory
Authors: P. Emirdag, R. Easther, G. S. Guralnik, S. C. Hahn, D. Petrov
Comments: Lattice2001(theorydevelop)

hep-lat/0112004 [abs, ps, pdf, other] :

Title: Is the Graviton a Domain Wall Glueball?
Authors: Richard C. Brower
Comments: Lattice2001 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1016-1018

hep-lat/0110148 [abs, ps, pdf, other] :

Title: Quantum Link Models with Many Rishon Flavors and with Many Colors
Authors: O. Baer, R. Brower, B. Schlittgen, U.-J. Wiese
Comments: Lattice2001(theorydevelop), poster by O. Baer and talk by B. Schlittgen, 6 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1019-1024

hep-lat/0110125 [abs, ps, pdf, other] :

Title: Superconductivity and Chiral Symmetry Breaking with Fermion Clusters
Authors: Shailesh Chandrasekharan
Comments: 3 pages, 4 figures, talk at Lattice2001(theorydevelop)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1025-1027

-> index

M. Algorithms and Machines

hep-lat/0112038 [abs, ps, pdf, other] :

Title: Benchmarking and tuning the MILC code on clusters and supercomputers
Authors: Steven Gottlieb (Fermilab/Indiana University)
Comments: Lattice2001(algorithms) 4 pages, includes hep-lat references not in published version
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1031-1033

hep-lat/0110116 [abs, ps, pdf, other] :

Title: FermiQCD: A tool kit for parallel lattice QCD applications
Authors: Massimo Di Pierro
Comments: 3 pages. Lattice 2001 proceedings. Web page: this http URL
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1034-1036

hep-lat/0111014 [abs, ps, pdf, other] :

Title: Physics development of web-based tools for use in hardware clusters doing lattice physics
Authors: P. Dreher, W. Akers, J. Chen, Y. Chen, C. Watson
Comments: Lattice 2001 (Algorithms and Machines) 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1040-1042

hep-lat/0110153 [abs, ps, pdf, other] :

Title: Status of APEmille
Authors: APE-Collaboration: A. Bartoloni, P. Boucaud, N. Cabibbo, F. Calvayrac, M. Della Morte, R. De Pietri, P. De Riso, F. Di Carlo, F. Di Renzo, W. Errico, R. Frezzotti, T. Giorgino, J. Heitger, A. Lonardo, M. Loukianov, G. Magazzu, J. Micheli, V. Morenas, N. Paschedag, O. Pene, R. Petronzio, D. Pleiter, F. Rapuano, J. Rolf, D. Rossetti, L. Sartori, H. Simma, F. Schifano, M. Torelli, R. Tripiccione, P. Vicini, P. Wegner
Comments: Lattice2001(algorithms), 3 pages, 1 eps figure
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1043-1045

hep-lat/0202007 [abs, ps, pdf, other] :

Title: High performance Beowulf computer for lattice QCD
Authors: X.Q. Luo (Zhongshan Univ.), E. Gregory, H. Xi, J. Yang, Y. Wang, Y. Lin, H. Ying
Comments: Lattice 2001 (Algorithms and Machines) 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1046-1048

hep-lat/0110195 [abs, ps, pdf, other] :

Title: Dynamical Fermions in Hamiltonian Lattice Gauge Theory
Author: Dean Lee (NC State Univ.)
Comments: Lattice2001(algorithms), 3 pages
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1049-1051

hep-lat/0111031 [abs, ps, pdf, other] :

Title: Performance studies of the two-step multiboson algorithm in compact lattice QED
Authors: I.L. Bogolubsky, V.K. Mitrjushkin, I. Montvay, M. Mueller-Preussker, N.V. Zverev
Comments: Talk at Lattice2001(algorithms), Berlin, 3 pages, LaTeX
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1052-1054

hep-lat/0110076 [abs, ps, pdf, other] :

Title: Efficient computation of low-lying eigenmodes of non-Hermitian Wilson-Dirac type matrices
Authors: H. Neff
Comments: Lattice2001(algorithms)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1055-1057

hep-lat/0110156 [abs, ps, pdf, other] :

Title: Simulating dynamical fermions with smeared links
Authors: A. Hasenfratz, F. Knechtli (U. of Colorado)
Comments: 3 pages, Lattice2001(algorithms)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1058-1060

hep-lat/0110141 [abs, ps, pdf, other] :

Title: Hadronic Correlators from All-point Quark Propagators
Authors: A. Duncan, E. Eichten, J. Yoo
Comments: LATTICE01(Algorithms and Machines)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1061-1063

hep-lat/0109008 [abs, ps, pdf, other] :

Title: Heatbath Noise Methods in Lattice QCD
Authors: Walter Wilcox
Comments: Lattice 2001(algorithms)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1064-1066

hep-lat/0109009 [abs, ps, pdf, other] :

Title: Deflation of Eigenvalues for GMRES in Lattice QCD
Authors: Ronald B. Morgan, Walter Wilcox
Comments: Lattice2001(algorithms)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1067-1069

hep-lat/0110198 [abs, ps, pdf, other] :

Title: A comparative study of numerical methods for the overlap Dirac operator--a status report
Authors: J. van den Eshof, A. Frommer, Th. Lippert, K. Schilling, H.A. van der Vorst
Comments: 3 pages, poster contribution to Lattice2001(algorithms)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1070-1072

hep-lat/0110047 [abs, ps, pdf, other] :

Title: Instabilities in Molecular Dynamics Integrators used in Hybrid Monte Carlo Simulations
Authors: B. Joo, UKQCD Collaboration
Comments: Lattice2001(algorithms)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1073-1075

hep-lat/0110180 [abs, ps, pdf, other] :

Title: Speeding up the Hybrid-Monte-Carlo algorithm for dynamical fermions
Authors: M. Hasenbusch, K. Jansen
Comments: Lattice2001 (Algorithms and Machines)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1076-1078

hep-lat/0110107 [abs, ps, pdf, other] :

Title: An exact algorithm for three-flavor QCD with $O(a)$-improved Wilson fermions
Authors: JLQCD Collaboration: S. Aoki, R. Burkhalter, M. Fukugita, S. Hashimoto, K-I. Ishikawa, N. Ishizuka, Y. Iwasaki, K. Kanaya, T. Kaneko, Y. Kuramashi, M. Okawa, T. Onogi, S. Tominaga, N. Tsutsui, A. Ukawa, N. Yamada, T. Yoshie
Comments: Lattice 2001 (algorithm), 3 pages, LaTeX2e with espcrc2.sty
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1079-1081

hep-lat/0110033 [abs, ps, pdf, other] :

Title: The Quest for Light Sea Quarks: Algorithms for the Future
Authors: W. Schroers (1), N. Eicker (1), M. D'Elia (2), Ph. de Forcrand (3), C. Gebert (4), Th. Lippert (1), I. Montvay (4), B. Orth (1), M. Pepe (5), K. Schilling (1) ((1) Wuppertal U., (2) Genoa U. & INFN, Genoa, (3) ETH Zurich, (4) DESY, (5) Paris-Sud U.)
Comments: LaTeX, 3 pages, Lattice2001(algorithms)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1082-1084

hep-lat/0110041 [abs, ps, pdf, other] :

Title: A new method for Monte Carlo simulation of theories with Grassmann variables
Authors: T. Bakeyev
Comments: Lattice2001(algorithms), 3 pages, LaTeX
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1085-1087

hep-lat/0110035 [abs, ps, pdf, other] :

Title: Gribov Copies and Gauge Fixing in Lattice Gauge Theories
Authors: O. Oliveira, P. J. Silva
Comments: Lattice2001(algorithms)
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1088-1090

hep-lat/0110205 [abs, ps, pdf, other] :

Title: Generalized ensemble algorithm for U(1) gauge theory
Authors: Tetsuya Takaishi
Comments: Lattice2001(algorithms), 3 pages, 5 figures
Journal-ref: Nucl.Phys.Proc.Suppl. 106 (2002) 1091-1093

-> index

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