

Refereed Publications:

1. P. Giudice and A. Papa,
‘‘Real and imaginary chemical potential in 2-color QCD’’,
Phys. Rev. D 69 (2004) 094509, 16 pages [arXiv:hep-lat/0401024].
2. R. Fiore, P. Giudice, D. Giuliano, D. Marmottini, A. Papa and P. Sodano,
‘‘QED(3) on a space-time lattice: Compact versus noncompact formulation’’,
Phys.Rev. D72 (2005) 094508, 7 pages [arXiv:hep-lat/0506020].
3. P. Giudice, F. Gliozzi and S. Lottini,
‘‘Quantum broadening of k-strings in gauge theories’’,
JHEP {0701} (2007) 084, 16 pages [arXiv:hep-th/0612131].
4. P. Giudice and S. Hands,
‘‘Can we study quark matter in the quenched approximation?’’,
Nuclear Physics B {789} (2008) 111, 22 pages [arXiv:hep-lat/0703001].
5. P. Giudice, F. Gliozzi and S. Lottini,
‘‘The conformal anomaly of k-strings’’,
JHEP {0705} (2007) 010, 14 pages [arXiv:hep-th/0703153].
6. M. Caselle, P. Giudice, F. Gliozzi, P. Grinza and S. Lottini,
‘‘K-string tensions at finite temperature and integrable models’’,
JHEP {0711} (2007) 075, 20 pages [arXiv:0710.3522 [hep-lat]].
7. R. Fiore, P. Giudice and A. Papa,
‘‘Non-compact QED3 at finite temperature: the confinement-deconfinement transition’’,
JHEP {0811} (2008) 055, 26 pages [arXiv:0808.1631 [hep-lat]].
8. P. Giudice, F. Gliozzi and S. Lottini,
‘‘The confining string beyond the free-string approximation in the gauge dual of percolation’’,
JHEP {0903} (2009) 104, 13 pages [arXiv:0901.0748 [hep-lat]].
9. P. Cea, L. Cosmai, P. Giudice and A. Papa,
‘‘Chiral Symmetry Breaking in Planar QED in External Magnetic Fields’’,
Phys.Rev. D85 (2012) 094505, 6 pages [arXiv:1204.6112 [hep-lat]].
10. P. Giudice, D. McManus and M. Peardon,
‘‘Comparison of analysis techniques for extracting resonance parameters from lattice Monte Carlo data’’,
Phys.Rev. D86 074516 (2012), 16 pages [arXiv:1204.2745 [hep-lat]].
11. S. Cotter, P. Giudice, S. Hands and J.-I. Skullerud,
‘‘Towards the phase diagram of dense two-color matter’’,
Phys. Rev.D 87 (2013) 3, 034507, 19 pages [arXiv:1210.4496 [hep-lat]].
12. G. Aarts, P. Giudice and E. Seiler,
‘‘Localised distributions and criteria for correctness in complex Langevin dynamics’’,
Annals Phys. 337 (2013) 238, 32 pages [arXiv:1306.3075 [hep-lat]].

13. A. Amato, G. Aarts, C. Allton, P. Giudice, S. Hands and J.-I. Skullerud,
 ‘‘Electrical conductivity of the quark-gluon plasma across the deconfinement transition’’,
 Phys. Rev. Lett. 111 (2013) 172001, 4 pages [arXiv:1307.6763 [hep-lat]].
14. G. Bergner, P. Giudice, G. Muenster, S. Piemonte and D. Sandbrink,
 ‘‘Phase structure of the N=1 supersymmetric Yang-Mills theory at finite temperature’’,
 JHEP {\bf 1411} (2014) 049, 26 pages [arXiv:1405.3180 [hep-lat]].
15. G. Aarts, C. Allton, A. Amato, P. Giudice, S. Hands and J. I. Skullerud,
 ‘‘Electrical conductivity and charge diffusion in thermal QCD from the lattice’’,
 JHEP {1502} (2015) 186, 29 pages [arXiv:1412.6411 [hep-lat]].
16. A. Amato, P. Giudice and S. Hands,
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 Eur. Phys. J. A {51} (2015) 39 [arXiv:1501.03004 [hep-lat]].

Proceedings of International Conferences:

1. P. Giudice and A. Papa,
 ‘‘Finite temperature 2-color QCD for real and imaginary chemical potential’’,
 in proceedings of
 ‘‘LATTICE 2004: XXII International Symposium on Lattice Field Theory’’,
 arXiv:hep-lat/040922, Nucl. Phys. B (Proc. Suppl.) 140, 529-531 (2005).
2. R. Fiore, P. Giudice and A. Papa,
 ‘‘Numerical test of Polyakov loop models in high temperature SU(2)’’,
 in proceedings of
 ‘‘LATTICE 2004: XXII International Symposium on Lattice Field Theory’’,
 arXiv:hep-lat/0409024, Nucl. Phys. B (Proc. Suppl.) 140, 583-585 (2005).
3. R. Fiore, P. Giudice, D. Giuliano, D. Marmottini, A. Papa and P. Sodano,
 ‘‘QED₃ on a space-time lattice: a comparison between compact and noncompact formulation’’,
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 ‘‘LATTICE 2005: XXIII International Symposium on Lattice Field Theory’’,
 arXiv:hep-lat/0509183, PoS (LAT2005) 243.
4. P. Giudice, F. Gliozzi and S. Lottini,
 ‘‘Quantum fluctuations of k-strings: A Case study’’,
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 ‘‘LATTICE 2006: XXIV International Symposium on Lattice Field Theory’’,
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5. P. Giudice, F. Gliozzi and S. Lottini,
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6. P. Giudice and S. Hands,
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‘‘LATTICE 2007: XXV International Symposium on Lattice Field Theory’’,
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7. P. Giudice, F. Gliozzi and S. Lottini,
‘‘On the Conformal anomaly of k-strings’’,
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‘‘LATTICE 2007: XXV International Symposium on Lattice Field Theory’’,
arXiv:0710.0764 [hep-lat], PoS(LATTICE 2007)302.
8. P. Grinza, M. Caselle, P. Giudice, F. Gliozzi and S. Lottini,
‘‘On the ratio of string tensions in the 3D Z₄ lattice gauge theory’’,
in proceedings of
‘‘LATTICE 2007: XXV International Symposium on Lattice Field Theory’’,
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9. P. Giudice, F. Gliozzi and S. Lottini,
‘‘Universal properties of the confining string in the random
percolation model’’,
in proceedings of
‘‘LATTICE 2007: XXV International Symposium on Lattice Field Theory’’,
arXiv:0709.4336 [hep-lat], PoS(LATTICE 2007)314.
10. P. Giudice, F. Gliozzi and S. Lottini,
‘‘Confining string beyond the free approximation: the case of random
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‘‘LATTICE 2008: XXVI International Symposium on Lattice Field Theory’’,
[arXiv:0811.2879 [hep-lat]], PoS (LATTICE2008) (2008) 264.
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12. M. Caselle, F. Gliozzi, G. Delfino, P. Giudice, P. Grinza, S. Lottini
and N. Magnoli,
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‘‘LATTICE 2009: XXVII International Symposium on Lattice Field Theory’’,
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13. P. Giudice, M.J. Peardon,
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‘‘Hadron 2009: XIII International Conference on Hadron Spectroscopy’’,
[arXiv:1010.1390 [hep-lat]], AIP Conf. Proc. 1257 (2010) 784-788.
14. P. Giudice, D. McManus, M. Peardon,
‘‘Extracting resonance parameters from lattice data’’,
in proceedings of
‘‘LATTICE 2010: XXVIII International Symposium on Lattice Field Theory’’,
[arXiv:1009.6192 [hep-lat]], PoS (LATTICE2010) (2010) 105.

15. P. Cea, L. Cosmai, P. Giudice, A. Papa,
‘‘Lattice Planar QED in external magnetic field’’,
in proceedings of
‘‘LATTICE 2011: XXIX International Symposium on Lattice Field Theory’’.
[arXiv:1109.6549 [hep-lat]], PoS (LATTICE2011) (2011) 307.
16. P. Giudice, S. Hands, J.-I. Skullerud
‘‘Quark number susceptibility at finite density and low temperature’’,
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‘‘LATTICE 2011: XXIX International Symposium on Lattice Field Theory’’.
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17. S. Hands, S. Cotter, P. Giudice and J.-I. Skullerud,
‘‘The Phase Diagram of Two Color QCD’’,
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‘‘Extreme QCD’’ workshop, Washington DC, 21-23 August 2012’’.
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18. S. Cotter, J.-I. Skullerud, P. Giudice, S. Hands, S. Kim and D. Mehta,
‘‘Phase structure of QC2D at high temperature and density’’,
in proceedings of
‘‘LATTICE 2012: XXX International Symposium on Lattice Field Theory’’.
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19. P. Giudice, G. Aarts and E. Seiler,
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‘‘LATTICE 2013: XXXI International Symposium on Lattice Field Theory’’.
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20. P.W.M. Evans, C. Allton, P. Giudice and J.-I. Skullerud,
‘‘Charmonium Potentials At Non-Zero Temperature’’,
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‘‘LATTICE 2013: XXXI International Symposium on Lattice Field Theory’’.
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21. P. Giudice, G. Aarts, C. Allton, A. Amato, S. Hands and J.-I. Skullerud,
‘‘Electric charge susceptibility in 2+1 flavour QCD on an anisotropic lattice’’,
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‘‘LATTICE 2013: XXXI International Symposium on Lattice Field Theory’’.
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22. C. Allton, G. Aarts, A. Amato, W. Evans, P. Giudice, S. Hands, A. Kelly, S. Kim,
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23. A. Amato, G. Aarts, C. Allton, P. Giudice, S. Hands and J.-I. Skullerud,
‘‘Transport coefficients of the QGP’’,
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‘‘LATTICE 2013: XXXI International Symposium on Lattice Field Theory’’.
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25. C. Allton, G. Aarts, A. Amato, W. Evans, P. Giudice, T. Harris, S. Hands,
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‘‘2+1 flavour thermal studies on an anisotropic lattice’’,
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‘‘LATTICE 2013: XXXI International Symposium on Lattice Field Theory’’.
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26. G. Bergner, P. Giudice, I. Montvay, G. Muenster, U. D. Oezugurel, S. Piemonte
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‘‘Latest lattice results of N=1 supersymmetric Yang-Mills theory with some
topological insights,’’
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‘‘LATTICE 2014: XXXII International Symposium on Lattice Field Theory’’.
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27. G. Bergner, P. Giudice, G. Muenster, S. Piemonte and D. Sandbrink,
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28. T. Boz, P. Giudice, S. Hands, J. I. Skullerud and A. G. Williams,
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arXiv:1501.00018 [nucl-th].
30. G. Aarts, C. Allton, W. Evans, P. Giudice, T. Harris, A. Kelly, S. Kim
and M. P. Lombardo {et al.},
‘‘Bottomonium in the plasma: lattice results,’’
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EPJ Web Conf. {80} (2014) 00029, [arXiv:1411.7580 [hep-lat]].
31. G. Bergner, P. Giudice, I. Montvay, G. Muenster and S. Piemonte,
‘‘The low-lying spectrum of N=1 supersymmetric Yang-Mills theory,’’
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‘‘European Physical Society Conference on High Energy Physics (EPS-HEP 2015),’’
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32. G. Bergner, P. Giudice, G. Mnster and S. Piemonte,
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‘‘LATTICE 2015: XXXIII International Symposium on Lattice Field Theory’’.
PoS(LATTICE 2015) 239 [arXiv:1510.05926 [hep-lat]].
33. G. Bergner, P. Giudice, G. Mnster and S. Piemonte,
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34. G. Bergner, P. Giudice, G. Mnster and S. Piemonte,
‘‘Lattice simulations of technicolour theories with adjoint fermions and supersymmetric Yang-Mills theory,’’
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‘‘LATTICE 2015: XXXIII International Symposium on Lattice Field Theory’’.
PoS(LATTICE 2015) 227 [arXiv:1510.05926 [hep-lat]].

Only in ArXiv, soon published:

1. G. Bergner, P. Giudice, I. Montvay, G. Muenster and S. Piemonte,
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2. C. Allton, W. Evans, P. Giudice and J. I. Skullerud,
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