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List of Publications – January 12, 2009

In Preparation

- *Chiral Symmetry and its breaking in Suspended Graphene.*
J. E. Drut, T. A. Lähde.
- *Precision Study of the Unitary Fermi Gas at Finite Temperature.*
J. E. Drut, T. A. Lähde.

Under Review

arXiv:0901.0584

- *Lattice Field Theory Simulations of Graphene.*
J. E. Drut, T. A. Lähde.

Published Articles

arXiv:0807.0834

- *Is Graphene in Vacuum an Insulator?*
J. E. Drut, T. A. Lähde.
Phys. Rev. Lett. **102**, 026802 (2009).

nucl-th/0703021

- *Initial-State Coulomb Interaction in the $dd \rightarrow \alpha\pi^0$ Reaction.*
T. A. Lähde, G. Miller.
Phys. Rev. C **75**, 055204 (2007), erratum *ibid.* **77**, 019904 (2008).

cond-mat/0611769

- *Effective-Range Corrections to Three-Body Recombination for Atoms with Large Scattering Length.*
H.-W. Hammer, T. A. Lähde, L. Platter.
Phys. Rev. A **75**, 032715 (2007).

hep-ph/0606133

- *Improved Analysis of J/ψ Decays into a Vector Meson and Two Pseudoscalars.*
T. A. Lähde, Ulf-G. Meißner.
Phys. Rev. D **74**, 034021 (2006).

hep-lat/0602003

- *Three-Flavor Partially Quenched Chiral Perturbation Theory at NNLO for Meson Masses and Decay Constants.*
J. Bijnens, N. Danielsson, T. A. Lähde.
Phys. Rev. D **73**, 074509 (2006).

hep-lat/0506004

- *Masses and Decay Constants of Pseudoscalar Mesons to Two Loops in Two-Flavor Partially Quenched Chiral Perturbation Theory.*
J. Bijnens, T. A. Lähde.
Phys. Rev. D **72**, 074502 (2005).

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- hep-lat/0501014** • *Decay Constants of Pseudoscalar Mesons to Two Loops in Three-Flavor Partially Quenched Chiral Perturbation Theory.*
J. Bijnens, T. A. Lähde.
Phys. Rev. D **71**, 094502 (2005).
- hep-lat/0406017** • *The Pseudoscalar Meson Mass to Two Loops in Three-Flavor Partially Quenched Chiral Perturbation Theory.*
J. Bijnens, N. Danielsson, T. A. Lähde.
Phys. Rev. D **70**, 111503(R) (2004).
- hep-ph/0208110** • *Exchange Current Operators and Electromagnetic Dipole Transitions in Heavy Quarkonia.*
T. A. Lähde.
Nucl. Phys. A **714**, 183 (2003).
- hep-ph/0204230** • *The Coupling of Eta Mesons to Quarks and Baryons from $D_s^* \rightarrow D_s \pi^0$ Decay.*
T. A. Lähde, D.-O. Riska.
Nucl. Phys. A **710**, 99 (2002).
- hep-ph/0112131** • *Pion Rescattering in Two-Pion Decay of Heavy Quarkonia.*
T. A. Lähde, D.-O. Riska.
Nucl. Phys. A **707**, 425 (2002).
- hep-ph/0102039** • *Two-Pion Decay Widths of Excited Charm Mesons.*
T. A. Lähde, D.-O. Riska.
Nucl. Phys. A **693**, 755 (2001).
- hep-ph/0009095** • *Pion Decay Widths of D Mesons.*
K. O. E. Henriksson, T. A. Lähde, C. J. Nyfält, D.-O. Riska.
Nucl. Phys. A **686**, 355 (2001).
- hep-ph/9908485** • *Spectra and M1 Decay Widths of Heavy-Light Mesons.*
T. A. Lähde, C. J. Nyfält, D.-O. Riska.
Nucl. Phys. A **674**, 141 (2000).
- hep-ph/9808438** • *The Confining Interaction and Radiative Decays of Heavy Quarkonia.*
T. A. Lähde, C. J. Nyfält, D.-O. Riska.
Nucl. Phys. A **645**, 587 (1999).

Conference Proceedings

- *Pion Scalar Form Factors from J/ψ Decays.*
T. A. Lähde.
“MENU 2007, 11th International Conference on Meson-Nucleon Physics and the Structure of the Nucleon”
(In press)
- hep-ph/0701267** • *Partially Quenched and Three Flavour ChPT at Two Loops.*
J. Bijnens, N. Danielsson, T. A. Lähde.
“Final EURIDICE Meeting, Effective Theories of Colors and Flavors from EURODAPHNE to EURIDICE”
Acta Phys. Pol. B **38**, 2777 (2007).

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hep-lat/0512016

- *Partially Quenched Chiral Perturbation Theory to NNLO.*
J. Bijnens, N. Danielsson, T. A. Lähde
“PANIC 2005, Particles and Nuclei International Conference”
AIP Conf. Proc. **842**, 234 (2006).

hep-lat/0509042

- *Two Loop Partially Quenched and Finite Volume Chiral Perturbation Theory Results.*
J. Bijnens, N. Danielsson, K. Ghorbani, T. A. Lähde.
“Lattice 2005, 23rd International Symposium on Lattice Field Theory”
PoS LAT2005, 058 (2005).
- *Magnetic Dipole Decays of Heavy-Light Mesons.*
T. A. Lähde, D.-O. Riska.
“18th European Conference on Few-Body Problems in Physics”
Few Body Syst. Suppl. **14**, 33 (2003).

hep-ph/0112223

- *π and $\pi\pi$ Decays of Excited D Mesons.*
T. A. Lähde, D.-O. Riska.
“MENU 2001, 9th International Symposium on Meson-Nucleon Physics
and the Structure of the Nucleon”
 πN Newslett. **16**, 397 (2002).
- *The Confining Interaction and the $M1$ Decay Rates of Heavy Quarkonia.*
D.-O. Riska, T. A. Lähde, C. J. Nyfält.
“PANIC 99, 15th International Conference on Particles and Nuclei”
Nucl. Phys. A **663**, 663 (2000).

Refereeing

- Physical Review D, since 2006.
- Nuclear Physics A, since 2003.