

List of Publications SFB 1225
Last Updated January, 2019

2016

N.A. Belov, B. Sikora, R. Weis, V.A. Yerokhin, S. Sturm, K. Blaum, C.H. Keitel, Z. Harman: *Muonic vacuum polarization correction to the bound-electron g-factor*, [arXiv:1610.01340](https://arxiv.org/abs/1610.01340), 2016.

B02, B01

Y. Burnier, A. Rothkopf: *A gauge invariant Debye mass for the complex heavy-quark potential*, PoS LATTICE2016 (2016) **028**, (DOI: [10.22323/1.256.0028](https://doi.org/10.22323/1.256.0028)).

C05

A.K. Cyrol, L. Fister, M. Mitter, J.M. Pawłowski, N. Strodthoff: *Landau gauge Yang-Mills correlation functions*, Phys. Rev. D **94**, 054005 (2016), (DOI: [10.1103/PhysRevD.94.054005](https://doi.org/10.1103/PhysRevD.94.054005)).

A02, B03, C05

W.J. Fu, J.M. Pawłowski, F. Rennecke, B.J. Schäfer: *Baryon number fluctuations at finite temperature and density*, Phys. Rev. D **94**, 116020 (2016), (DOI: [10.1103/PhysRevD.94.116020](https://doi.org/10.1103/PhysRevD.94.116020)).

A02, C05, C06

V. Kasper, F. Hebenstreit, M.K. Oberthaler, J. Berges: *Schwinger pair production with ultracold atoms*, Phys. Lett. B, **760** (2016) 742-746, (DOI: [10.1016/j.physletb.2016.07.036](https://doi.org/10.1016/j.physletb.2016.07.036)).

A01, B04

N. Müller, F. Hebenstreit, J. Berges: *Anomaly-Induced Dynamical Refringence in Strong-Field QED*, Phys. Rev. Lett. **117**, 061601 (2016), (DOI: [10.1103/PhysRevLett.117.061601](https://doi.org/10.1103/PhysRevLett.117.061601)).

A01, B04

N. Müller, S. Schlichting, S. Sharma: *Chiral Magnetic Effect and Anomalous Transport from Real-Time Lattice Simulations*, Phys. Rev. Lett. **117**, 142301 (2016), (DOI: [10.1103/PhysRevLett.117.142301](https://doi.org/10.1103/PhysRevLett.117.142301)).

A01

A. Pálffy, P.-G. Reinhard, H.A. Weidenmüller: *Laser-Matter Interaction: Classical Regime versus Quantum Regime*, [arXiv:1611.06811](https://arxiv.org/abs/1611.06811), 2016.

B02

T. Rentrop, A. Trautmann, F.A. Olivares, F. Jendrzejewski, A. Komnik, M.K. Oberthaler: *Observation of the Phononic Lamb Shift with a Synthetic Vacuum*, Phys. Rev. X **6**, 041041 (2016), (DOI: [10.1103/PhysRevX.6.041041](https://doi.org/10.1103/PhysRevX.6.041041)).

A04, B04

J. Ulmanis, S. Hafner, R. Pires, E.D. Kuhnle, Y. Wang, C.H. Greene, M. Weidemüller: *Heteronuclear Efimov Scenario with Positive Intraspecies Scattering Length*, Phys. Rev. Lett. **117** (2016) no.15, 153201, (DOI: [10.1103/PhysRevLett.117.153201](https://doi.org/10.1103/PhysRevLett.117.153201)).

C03

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2017

G. Aarts, J. Aichelin, C. Allton, R. Arnaldi, S. A. Bass, C. Bedda, N. Brambilla, E. Bratkovskaya, P. Braun-Munzinger, G.E. Bruno, T. Dahms, S.K. Das, H. Dembinski, M. Djordjevic, E.G. Ferreira, A. Frawley, P.-B. Gossiaux, R. Granier de Cassagnac, A. Grelli, M. He, W. Horowitz, G.M. Innocenti, M. Jo, O. Kaczmarek, P.G. Kuijter, M. Laine, M.P. Lombardo, A. Mischke, M. Munhoz, M. Nahrgang, M. Nguyen, A.C. Oliveira da Silva, P. Petreczky, A. Rothkopf, M. Schmelling, E. Scapparini, T. Song, J. Stachel, A. Suaide, L. Tolos, B. Trzeciak, A. Uras, L. van Doremalen, L. Vermunt, S. Vigolo, N. Xu, Z. Ye, H. Zanolini, P. Zhuang: *Heavy-flavor production and medium properties in high-energy nuclear collisions - What next?*, Eur. Phys. J. A **53** (2017) no.5, 93, (DOI:[10.1140/epja/i2017-12282-9](https://doi.org/10.1140/epja/i2017-12282-9)).

A01, A02, C05

A. Andronic, P. Braun-Munzinger, K. Redlich, J. Stachel: *Hadron yields, the chemical freeze-out and the QCD phase diagram*, J. Phys. Conf. Ser. **779** (2017) no.1, 012012, (DOI: [10.1088/1742-6596/779/1/012012](https://doi.org/10.1088/1742-6596/779/1/012012)).

C05

A. Arias, S. Helmrich, C. Schweiger, L. Ardizzone, G. Lochead, S. Whitlock: *A versatile, high-power 460nm laser system for Rydberg excitation of ultracold potassium*, Opt. Express **25**, 14829-14839 (2017), (DOI:[10.1364/OE.25.014829](https://doi.org/10.1364/OE.25.014829)).

A05

V. Bacsó, N. Defenu, I. G. Márián, I. Nándori, A. Trombettoni: *Criticality of models interpolating between the sine- and the sinh-Gordon Lagrangians*, [arXiv:1706.01444](https://arxiv.org/abs/1706.01444), 2017.

C02

J. Berges, K. Boguslavski, A. Chatrchyan, J. Jäckel: *Attractive vs. repulsive interactions in the Bose-Einstein condensation dynamics of relativistic field theories*, Phys. Rev. D **96**, 076020 (2017), (DOI:[10.1103/PhysRevD.96.076020](https://doi.org/10.1103/PhysRevD.96.076020)).

A03, A04, A05, B03

J. Berges, F. Hebenstreit, F. Jendrzewski, V. Kasper, M.K. Oberthaler: *Implementing quantum electrodynamics with ultracold atomic systems*, New J. Phys. **19**, 023030 (2017), (DOI: [10.1088/1367-2630/aa54e0](https://doi.org/10.1088/1367-2630/aa54e0)).

A01, B03, B04

J. Berges, V. Kasper, T. Zache: *Inflationary preheating dynamics with two-species condensates*, Phys. Rev. A **95**, 063629 (2017), (DOI:[10.1103/PhysRevA.95.063629](https://doi.org/10.1103/PhysRevA.95.063629)).

A03, A04, A05, B03

J. Berges, M. Mace, S. Schlichting: *Universal Self-Similar Scaling of Spatial Wilson Loops Out of Equilibrium*, Phys. Rev. Lett. **118**, 192005 (2017), (DOI:[10.1103/PhysRevLett.118.192005](https://doi.org/10.1103/PhysRevLett.118.192005)).

A01, B03, C05

J. Berges, A. Pineiro Orioli, A. Schachner: *Universal scaling of unequal-time correlation functions in ultracold Bose gases far from equilibrium*, Phys. Rev. A **95**, 053605 (2017), (DOI: [10.1103/PhysRevA.95.053605](https://doi.org/10.1103/PhysRevA.95.053605)).

A01, A02, A03, A04, A05, B03

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J. Berges, K. Reygers, N. Tanji, R. Venugopalan: *What shines brighter, Glasma or Quark-Gluon Plasma: a parametric estimate of photon production at early times in heavy-ion collisions*, Phys. Rev. C **95** (2017) no.5, 054904, (DOI: [10.1103/PhysRevC.95.054904](https://doi.org/10.1103/PhysRevC.95.054904)).
A01, A02, B03, C06

J. Berges, K. Reygers, N. Tanji, R. Venugopalan: *How brightly does the Glasma shine? Photon production off-equilibrium*, Nucl.Phys. A **967** (2017) 708-711,
(DOI: [10.1016/j.nuclphysa.2017.04.034](https://doi.org/10.1016/j.nuclphysa.2017.04.034)).
A01, A02, C06

J. Berges, K. Reygers, N. Tanji, R. Venugopalan: *Parametric estimate of the relative photon yields from the glasma and the quark-gluon plasma in heavy-ion collisions*, Phys. Rev. C **95**, 054904 (2017), (DOI: [10.1103/PhysRevC.95.054904](https://doi.org/10.1103/PhysRevC.95.054904)).
A01, A02, C06

J. Berges, B. Wallisch: *Nonthermal Fixed Points in Quantum Field Theory Beyond the Weak-Coupling Limit*, Phys. Rev. D **95** (2017) no.3, 036016, (DOI: [10.1103/PhysRevD.95.036016](https://doi.org/10.1103/PhysRevD.95.036016)).
A01, A03, A04, A05, B03

C. Jung, F. Rennecke, R.-A. Tripolt, L. von Smekal, J. Wambach: *In-medium spectral functions of vector- and axial-vector mesons from the functional renormalization group*, Phys. Rev. D **95**, 036020 (2017), (DOI: [10.1103/PhysRevD.95.036020](https://doi.org/10.1103/PhysRevD.95.036020)).
C06

K. Blaum, S. Sturm, S. Ulmer: *In die Falle gegangen*, Physik Journal **16** (2017) 31-36.
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B01

P. Braun-Munzinger, A. Rustamov, J. Stachel: *Bridging the gap between event-by-event fluctuation measurements and theory predictions in relativistic nuclear collisions*, Nucl.Phys. A **960** (2017) 114-130, (DOI: [10.1016/j.nuclphysa.2017.01.011](https://doi.org/10.1016/j.nuclphysa.2017.01.011)).
A01, C06

B. Braun-Munzinger, V.M. Shapoval, Y.M.S. Sinyukov: *$K^*(892)$ and $\phi(1020)$ production and their decay into the hadronic medium at the Large Hadron Collider*, Nucl. Phys. A **968** (2017) 391-402, (DOI: [10.1016/j.nuclphysa.2017.09.002](https://doi.org/10.1016/j.nuclphysa.2017.09.002)).
C05

M. Buzzegoli, E. Grossi, F. Becattini: *General equilibrium second-order hydrodynamic coefficients for free quantum fields*, JHEP **1710** (2017) 091,
(DOI: [10.1007/JHEP10\(2017\)091](https://doi.org/10.1007/JHEP10(2017)091)).
C06

A. Dainese et al. (P. Braun-Munzinger, S. Masciocchi, J. Stachel): *Heavy ions at the Future Circular Collider*, CERN Yellow Report (2017) no.3, 635, [pdf](#)
A01, A02, C05

N. Defenu, I. Nandori, I. G. Marian, A. Trombettoni: *Pseudo Periodic Higgs Inflation*, [arXiv:1705.102762](https://arxiv.org/abs/1705.102762), 2017.
C02

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N. Defenu, S. Ruffo, A. Trombettoni: *Criticality and phase diagram of quantum long-range $O(N)$ models*, Phys. Rev. B **96**, 104432 (2017), (DOI: [10.1103/PhysRevB.96.104432](https://doi.org/10.1103/PhysRevB.96.104432)).
C02

N. Defenu, A. Trombettoni, I. Nandori, T. Enss: *Nonperturbative RG treatment of amplitude fluctuations for $|\varphi|^4$ topological phase transitions*, Phys. Rev. B **96**, 174505 (2017), (DOI: [10.1103/PhysRevB.96.174505](https://doi.org/10.1103/PhysRevB.96.174505)).
C02, C03

J. Haber, X. Kong, C. Strohm, S. Willing, J. Gollwitzer, L. Bocklage, R. Ruffer, A. Pálffy, R. Röhlberger: *Rabi oscillations of x-ray radiation between two nuclear ensembles*, Nature Photon. **11**, 720 (2017), (DOI: [10.1038/s41566-017-0013-3](https://doi.org/10.1038/s41566-017-0013-3)).
B02

S. Häfner, J. Ulmanis, E.D. Kuhnle, Y. Wang, C.H. Greene, M. Weidemüller: *Role of the intraspecies scattering length in the Efimov scenario with large mass difference*, Phys. Rev. A **95**, 062708 (2017), (DOI: [10.1103/PhysRevA.95.062708](https://doi.org/10.1103/PhysRevA.95.062708)).
C03

K.P. Heeg, A. Kaldun, C. Strohm, P. Reiser, C. Ott, R. Subramanian, D. Lentrodt, J. Haber, H.C. Wille, S. Görttler, R. Ruffer, C.H. Keitel, R. Röhlberger, T. Pfeifer, J. Evers: *Spectral narrowing of x-ray pulses for precision spectroscopy with nuclear resonances*, Science **357** (6349), 375-378 (2017), (DOI: [10.1126/science.aan3512](https://doi.org/10.1126/science.aan3512)).
B02

T. Henz, J.M. Pawłowski, C. Wetterich: *Scaling solutions for Dilaton Quantum Gravity*, Phys. Lett. B **769** (2017) 105-110, (DOI: [10.1016/j.physletb.2017.01.057](https://doi.org/10.1016/j.physletb.2017.01.057)).

Y. Jiang, S. Shi, Y. Yin, J. Liao: *Quantifying Chiral Magnetic Effect from Anomalous-Viscous Fluid Dynamics*, Chinese Physics C Vol. 42, No. 1 (2018) 011001 (DOI: [10.1088/1674-1137/42/1/011001](https://doi.org/10.1088/1674-1137/42/1/011001)).
A02, B03, C06

M. Karl, H. Cakir, J.C. Halimeh, M.K. Oberthaler, M. Kastner, T. Gasenzer: *Universal equilibrium scaling functions at short times after a quench*, Phys. Rev. E **96**, 022110 (2017), (DOI: [10.1103/PhysRevE.96.022110](https://doi.org/10.1103/PhysRevE.96.022110)).
A04

M. Karl, T. Gasenzer: *Strongly anomalous non-thermal fixed point in a quenched two-dimensional Bose gas*, New. J. Phys. **19**: 093014 (2017), (DOI: [10.1088/1367-2630/aa7eeb](https://doi.org/10.1088/1367-2630/aa7eeb)).
A04, B03

S. Kim, P. Petreczky, A. Rothkopf: *High statistics study of in-medium S- and P-wave quarkonium states in lattice Non-relativistic QCD*, Nucl. Phys. A **967** (2017), 724-727, (DOI: [10.1016/j.nuclphysa.2017.04.010](https://doi.org/10.1016/j.nuclphysa.2017.04.010)).
C05

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X. Kong, A. Pálffy: *Collective radiation spectrum for ensembles with Zeeman splitting in single-photon superradiance*, Phys. Rev. A **96**, 033819 (2017),
(DOI: [10.1103/PhysRevA.96.033819](https://doi.org/10.1103/PhysRevA.96.033819)).

B02

C. Luciuk, S. Smale, F. Böttcher, H. Sharum, B.A. Olsen, S. Trotzky, T. Enss, J.H. Thywissen: *Observation of quantum-limited spin transport in strongly interacting two-dimensional Fermi gases*, Phys. Rev. Lett. **118** (2017) no.13, 130405,
(DOI: [10.1103/PhysRevLett.118.130405](https://doi.org/10.1103/PhysRevLett.118.130405)).

C02

M. Mace, N. Müller, S. Schlichting, S. Sharma: *Non-equilibrium study of the Chiral Magnetic Effect from real-time simulations with dynamical fermions*, Phys. Rev. D **95** (2017) no.3, 036023, (DOI: [10.1103/PhysRevD.95.036023](https://doi.org/10.1103/PhysRevD.95.036023)).

A01

N. Müller, R. Venugopalan: *World-line construction of a covariant chiral kinetic theory*, Phys. Rev. D **96** (2017) no.1, 016023, (DOI: [10.1103/PhysRevD.96.016023](https://doi.org/10.1103/PhysRevD.96.016023)).

A01

A. Ohlson: *Collective behavior in small systems*, Nucl. Phys. A **967** (2017) 97-104,
(DOI: [10.1016/j.nuclphysa.2017.06.023](https://doi.org/10.1016/j.nuclphysa.2017.06.023)).

A01, A02

N. S. Oreshkina, S. M. Cavaletto, N. Michel, Z. Harman, C.H. Keitel: *Variation of the fine-structure constant and the electron-proton mass ratio in simple ions*, Phys. Rev. A **96**, 030501(R) (2017), (DOI: [10.1103/PhysRevA.96.030501](https://doi.org/10.1103/PhysRevA.96.030501)).

B02

J.M. Pawłowski, I.-O. Stamatescu, F.P.G. Ziegler: *Cooling stochastic quantization with colored noise*, Phys. Rev. D **96** (2017), (DOI: [10.1103/PhysRevD.96.114505](https://doi.org/10.1103/PhysRevD.96.114505)).

A02, B03, C05

F. Rennecke, B.-J. Schaefer: *Fluctuation-induced modifications of the phase structure in (2+1)-flavor QCD*, Phys. Rev. D **96** (2017), (DOI: [10.1103/PhysRevD.96.016009](https://doi.org/10.1103/PhysRevD.96.016009)).

A02, B03, C05, C06

A. Rothkopf: *Bayesian inference of non-positive spectral functions in quantum field theory*, Phys. Rev. D **95** (2017) no.5, 056016, (DOI: [10.1103/PhysRevD.95.056016](https://doi.org/10.1103/PhysRevD.95.056016)).

A02, C05

A. Rothkopf: *Quarkonia at $T>0$ and lattice QCD*, EPJ Web Conf. **137** (2017) 07018,
(DOI: [10.1051/epjconf/201713707018](https://doi.org/10.1051/epjconf/201713707018)).

C05

J. Rubio, C. Wetterich: *Emergent scale symmetry: Connecting inflation and dark energy*, Phys. Rev. D **96**, 063509 (2017), (DOI: [10.1103/PhysRevD.96.063509](https://doi.org/10.1103/PhysRevD.96.063509)).

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A. Rustamov: *Net-baryon fluctuations measured with ALICE at the CERN LHC*, Nucl. Phys. A **967** (2017) 453-456, (DOI: [10.1016/j.nuclphysa.2017.05.111](https://doi.org/10.1016/j.nuclphysa.2017.05.111)).
A01

A. Schachner, A. Piñero Orioli, J. Berges: *Universal scaling of unequal-time correlation functions in ultracold Bose gases far from equilibrium*, Phys. Rev. A **95** (2017) no.5, 053605, (DOI: [10.1103/PhysRevA.95.053605](https://doi.org/10.1103/PhysRevA.95.053605)).
A03, A04, B03, B04

T. Schweigler, V. Kasper, S. Erne, I. Mazets, B. Rauer, F. Cataldini, T. Langen, T. Gasenzer, J. Berges, J. Schmiedmayer: *Experimental characterization of a quantum many-body system via higher-order correlations*, Nature **545** (2017) 323-326, (DOI: [10.1038/nature22310](https://doi.org/10.1038/nature22310))
A01, A03, A04

S. Sturm, M. Vogel, F. Köhler-Langes, W. Quint, K. Blaum, G. Werth: *High-Precision Measurements of the Bound Electron's Magnetic Moment*, Atoms. 2017; 5(1):4, (DOI: [10.3390/atoms5010004](https://doi.org/10.3390/atoms5010004)).
B01

C. Wetterich: *Fermions as generalized Ising models*, Nucl.Phys. B **917** (2017) 241-271, (DOI: [10.1016/j.nuclphysb.2017.02.012](https://doi.org/10.1016/j.nuclphysb.2017.02.012)).
B01, C01

C. Wetterich, M. Yamada: *Gauge hierarchy problem in asymptotically safe gravity--the resurgence mechanism*, Phys. Lett. B **770** (2017) 268-271, (DOI: [10.1016/j.physletb.2017.04.049](https://doi.org/10.1016/j.physletb.2017.04.049)).
B01, C01

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C. Wetterich: *Gauge symmetry from decoupling*, Nucl. Phys. B **915** (2017), 135-167, (DOI: [10.1016/j.nuclphysb.2016.12.008](https://doi.org/10.1016/j.nuclphysb.2016.12.008)).

S. Whitlock, A.W. W. Glätzle, P. Hannaford: *Simulating Quantum Spin Models using Rydberg-Excited Atomic Ensembles in Magnetic Microtrap Arrays*, J. Phys. B: At. Mol. Opt. Phys. **50** (2017) 074001, (DOI: [10.1088/1361-6455/aa6149](https://doi.org/10.1088/1361-6455/aa6149)).
A05

V. A. Yerokhin, K. Pachucki, M. Puchalski, Z. Harman, C.H. Keitel: *Electron-correlation effects in the g-factor of light Li-like ions*, Phys. Rev. A **95**, 062511 (2017), (DOI: [10.1103/PhysRevA.95.062511](https://doi.org/10.1103/PhysRevA.95.062511)).
B02,

J. Zatorski, B. Sikora, S. G. Karshenboim, S. Sturm, F. Köhler-Langes, K. Blaum, C. H. Keitel, Z. Harman: *Extraction of the electron mass from g factor measurements on light hydrogenlike ions*, Phys. Rev. A, **96** (2017), (DOI: [10.1103/PhysRevA.96.01250](https://doi.org/10.1103/PhysRevA.96.01250)).
B01, B02

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Y. Akamatsu, M. Asakawa, S. Kajimoto, A. Rothkopf: *Quantum dissipation of a heavy quark from a nonlinear stochastic Schrödinger equation*, JHEP **1807** (2018) 029,
(DOI: [10.1007/JHEP07\(2018\)029](https://doi.org/10.1007/JHEP07(2018)029)).

C05

Y. Akamatsu, A. Mazeliauskas, D. Teaney: *Bulk viscosity from hydrodynamic fluctuations with relativistic hydro-kinetic theory*, Phys. Rev. C **97** (2018),
(DOI: [10.1103/PhysRevC.97.024902](https://doi.org/10.1103/PhysRevC.97.024902)).

C06

R. Alkofer, A. Maas, W. A. Mian, M. Mitter, J. París-López, J. M. Pawłowski, N. Wink: *Bound state properties from the Functional Renormalisation Group*, [arXiv:1810.07955](https://arxiv.org/abs/1810.07955), 2018.

A01, A02, B03, C01, C02, C03, C05, C06

A. Andronic, P. Braun-Munzinger, K. Redlich, J. Stachel: *Decoding the phase structure of QCD via particle production at high energy*, Nature **561** (2018) 321-330,
(DOI: [10.1038/s41586-018-0491-6](https://doi.org/10.1038/s41586-018-0491-6)).

C05

A. Andronic, P. Braun-Munzinger, M. K. Köhler, J. Stachel: *Testing charm quark thermalisation within the Statistical Hadronisation Model*, [arXiv:1807.01236](https://arxiv.org/abs/1807.01236), 2018.

C05

A. Andronic, P. Braun-Munzinger, B. Friman, P. M. Lo, K. Redlich, J. Stachel: *The thermal proton yield anomaly in Pb-Pb collisions at the LHC and its resolution*, [arXiv:1808.03102](https://arxiv.org/abs/1808.03102), 2018.

C05

M. Arslanovic, A. Rustamov: *Next generation reconstruction of event-by-event particle yield fluctuations*, [arXiv:1807.06370](https://arxiv.org/abs/1807.06370), 2018.

A01

N. Yu. Astrakhantsev, V. G. Bornyakov, V. V. Braguta, E.-M. Ilgenfritz, A. Yu. Kotov, A. V. Molochkov, A. A. Nikolaev, A. Rothkopf: *Lattice study of static quark-antiquark interactions in dense quark matter*, [arXiv:1808.06466](https://arxiv.org/abs/1808.06466), 2018.

C05

L. Bayha, N. Defenu, T. Enss, M. Holten, S. Jochim, P.A. Murthy, P.M. Preiss: *Quantum scale anomaly and spatial coherence in a 2D Fermi superfluid*, [arXiv:1805.04734](https://arxiv.org/abs/1805.04734), 2018.

C01, C02

S. Beck, I.E. Mazets, T. Schweigler: *Nonperturbative method to compute thermal correlations in one-dimensional systems*, Phys. Rev. A **98**, 023613 (2018),
(DOI: [10.1103/PhysRevA.98.023613](https://doi.org/10.1103/PhysRevA.98.023613))

A03

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H. Bekker, C. Hensel, A. Daniel, A. Windberger, T. Pfeifer, J.R.C. Lopez-Urrutia: *Laboratory precision measurements of optical emissions from coronal iron*, Phys. Rev. A **98** (2018), 062514, (DOI: [10.1103/PhysRevA.98.062514](https://doi.org/10.1103/PhysRevA.98.062514)).

B01

A. Bergschneider, V. M. Klinkhamer, J. H. Becher, R. Klemt, L. Palm, G. Zürn, S. Jochim, P. M. Preiss: *Correlations and Entanglement in an Itinerant Quantum System*, [arXiv:1807.06405](https://arxiv.org/abs/1807.06405), 2018.

C02

A. Bergschneider, V. M. Klinkhamer, J. H. Becher, R. Klemt, G. Zürn, P. M. Preiss, S. Jochim: *Spin-resolved single-atom imaging of ${}^6\text{Li}$ in free space*, Phys. Rev. A **97**, 063613 (2018), (DOI: [10.1103/PhysRevA.97.063613](https://doi.org/10.1103/PhysRevA.97.063613)).

C02

J. Berges, K. Boguslavski, R. Walz: *Large- N kinetic theory for highly occupied systems*, Phys. Rev. D **97**, 116011 (2018), (DOI: [10.1103/PhysRevD.97.116011](https://doi.org/10.1103/PhysRevD.97.116011)).

A01, A03, A04, A05, B03

J. Berges, S. Flörchinger, R. Venugopalan: *Thermal excitation spectrum from entanglement in an expanding quantum string*, Phys. Lett. B **778** (2018) 442-446, (DOI: [10.1016/j.physletb.2018.01.068](https://doi.org/10.1016/j.physletb.2018.01.068)).

A01, C06

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A01, C06

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C05

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A05

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C05

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A04

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A02, B03, C05

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A04

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B01, C01

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