A Complete Bibliography of Publications in
Reviews of Modern Physics (2020–2029)

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: `beebe@math.utah.edu`, `beebe@acm.org`,
`beebe@computer.org` (Internet)
WWW URL: `https://www.math.utah.edu/~beebe/`

25 April 2024
Version 1.07

Title word cross-reference

References

Amico:2022:CAC

[AAB+22] Luigi Amico, Dana Anderson, Malcolm Boshier, Jean-Philippe Brantut, Leong-Chuan Kwek, Anna Minguzzi, and Wolf von Klitzing. Colloquium: Atomtronic circuits: From many-body physics to quantum technologies. *Reviews of Modern Physics*, 94(4):041001–??, April 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.041001`.

Alexandru:2022:CPA

[ABBW22] Andrei Alexandru, Gökçe Basar, Paulo F. Bedaque, and Neill C. Warrington. Complex paths around the sign problem. *Reviews of Modern Physics*, 94(1):015006–??, January 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.015006`.

Agostini:2023:TDM

[ABD+23] Matteo Agostini, Giovanni Benato, Jason A. Detwiler, Javier Menéndez, and Francesco Vissani. Toward the discovery of matter creation with neutrinoless $\beta\beta$ decay. *Reviews of Modern Physics*, 95(2):025002–??, February 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://www.w3.org/1998/Math/MathML.

Arguelles:2021:DMA

[ADK+21] Carlos A. Argüelles, Alejandro Diaz, Ali Kheirandish, Andrés Olivares-Del-Campo, Ibrahim Safa, and Aaron C. Vincent. Dark matter annihilation to neutrinos. *Reviews of Modern Physics*, 93(3):035007–??, March 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.035007.

Afek:2023:CAS

[ADKB23] Gadi Afek, Nir Davidson, David A. Kessler, and Eli Barkai. Colloquium: Anomalous statistics of laser-cooled atoms in dissipative optical lattices. *Reviews of Modern Physics*, 95(3):031003–??, March 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.031003.

Azuma:2023:QRQ

[AEE+23] Koji Azuma, Sophia E. Economou, David Elkouss, Paul Hilaire, Liang Jiang, Hoi-Kwong Lo, and Ilan Tzitrin. Quantum repeaters: From quantum networks to the quantum internet. *Reviews of Modern Physics*, 95(4):045006–??, April 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.045006.

Aerts:2021:PIP

[Aer21] C. Aerts. Probing the interior physics of stars through asteroseismology. *Reviews of Modern Physics*, 93(1):015001–??, January 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.015001.

Almheiri:2021:EHR

[AHM+21] Ahmed Almheiri, Thomas Hartman, Juan Maldacena, Edgar Shaghoulian, and Amirhossein Tajdini. The entropy of Hawking radiation. *Reviews of Modern Physics*, 93(3):035002–??, March 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.035002`.

Azzurri:2021:VBJ

[AST21] Paolo Azzurri, Marek Schönherr, and Alessandro Tricoli. Vector bosons and jets in proton collisions. *Reviews of Modern Physics*, 93(2):025007–??, February 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.025007`.

Beamish:2020:MBS

[BB20] John Beamish and Sébastien Balibar. Mechanical behavior of solid helium: Elasticity, plasticity, and defects. *Reviews of Modern Physics*, 92(4):045002–??, April 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.045002`.

Bodeker:2021:BWS

[BB21] Dietrich Bödeker and Wilfried Buchmüller. Baryogenesis from the weak scale to the grand unification scale. *Reviews of Modern Physics*, 93(3):035004–??, March 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.035004`.

Baker:2021:NPP

[BBD+21] Tessa Baker, Alexandre Barreira, Harry Desmond, Pedro Ferreira, Bhuvnesh Jain, Kazuya Koyama, Baojiu Li, Lucas Lombriser, Andrina Nicola, Jeremy Sakstein, and Fabian Schmidt. Novel Probes Project: Tests of gravity on astrophysical scales. *Reviews of Modern Physics*, 93(1):015003–??, January 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.015003`.

Bernstein:2020:CND

[BBG+20] Adam Bernstein, Nathaniel Bowden, Bethany L. Goldblum, Patrick Huber, Igor Jovanovic, and John Mattingly. Colloquium: Neutrino detectors as tools for nuclear security. *Reviews of Modern Physics*, 92(1):011003–??, January 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.011003.

Bergholtz:2021:ETN

[BBK21] Emil J. Bergholtz, Jan Carl Budich, and Flore K. Kunst. Exceptional topology of non-Hermitian systems. *Reviews of Modern Physics*, 93(1):015005–??, January 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.015005.

Budroni:2022:KSC

[BCG+22] Costantino Budroni, Adán Cabello, Otfried Gühne, Matthias Kleinmann, and Jan-Åke Larsson. Kochen–Specker contextuality. *Reviews of Modern Physics*, 94(4):045007–??, April 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.045007.

Bharti:2022:NIS

[BCLK+22] Kishor Bharti, Alba Cervera-Lierta, Thi Ha Kyaw, Tobias Haug, Sumner Alperin-Lea, Abhinav Anand, Matthias Degroote, Hermanni Heimonen, Jakob S. Kottmann, Tim Menke, Wai-Keong Mok, Sukin Sim, Leong-Chuan Kwek, and Alán Aspuru-Guzik. Noisy intermediate-scale quantum algorithms. *Reviews of Modern Physics*, 94(1):015004–??, January 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.015004.

Blanc:2023:HHE

[BDK+23] Christophe Blanc, Guillaume Durey, Randall D. Kamien, Teresa Lopez-Leon, Maxim O. Lavrentovich, and Lisa Tran. Helfrich–Hurault elastic instabilities driven by geometrical frustration. *Reviews of Modern Physics*, 95(1):015004–??, January 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-

4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.015004.

Boehnlein:2022:CML

[BDS+22] Amber Boehnlein, Markus Diefenthaler, Nobuo Sato, Malachi Schram, Veronique Ziegler, Cristiano Fanelli, Morten Hjorth-Jensen, Tanja Horn, Michelle P. Kuchera, Dean Lee, Witold Nazarewicz, Peter Ostroumov, Kostas Orginos, Alan Poon, Xin-Nian Wang, Alexander Scheinker, Michael S. Smith, and Long-Gang Pang. Colloquium: Machine learning in nuclear physics. *Reviews of Modern Physics*, 94(3):031003–??, March 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.031003.

Blaum:2020:NDE

[BED+20] K. Blaum, S. Eliseev, F. A. Danevich, V. I. Tretyak, Sergey Kovalenko, M. I. Krivoruchenko, Yu. N. Novikov, and J. Suhonen. Neutrinoless double-electron capture. *Reviews of Modern Physics*, 92(4):045007–??, April 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.045007.

Burkert:2023:CGF

[BEG+23] V. D. Burkert, L. Elouadrhiri, F. X. Girod, C. Lorcé, P. Schweitzer, and P. E. Shanahan. Colloquium: Gravitational form factors of the proton. *Reviews of Modern Physics*, 95(4):041002–??, April 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.041002.

Baggioli:2023:CHH

[BG23] Matteo Baggioli and Blaise Goutéraux. Colloquium: Hydrodynamics and holography of charge density wave phases. *Reviews of Modern Physics*, 95(1):011001–??, January 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.011001.

Blais:2021:CQE

[BGGW21] Alexandre Blais, Arne L. Grimsmo, S. M. Girvin, and Andreas Wallraff. Circuit quantum electrodynamics. *Reviews of Modern Physics*, 93(2):025005–??, February 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.025005.

Bertini:2021:FTT

[BHMK+21] B. Bertini, F. Heidrich-Meisner, C. Karrasch, T. Prosen, R. Steinigeweg, and M. Znidaric. Finite-temperature transport in one-dimensional quantum lattice models. *Reviews of Modern Physics*, 93(2):025003–??, February 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.025003.

Berges:2021:QTI

[BHMV21] Jürgen Berges, Michal P. Heller, Aleksas Mazeliauskas, and Raju Venugopalan. QCD thermalization: Ab initio approaches and interdisciplinary connections. *Reviews of Modern Physics*, 93(3):035003–??, March 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.035003.

Belitz:2021:ERC

[BK21] Dietrich Belitz and Randall D. Kamien. Editorial: The role of colloquia in *Reviews of Modern Physics*. *Reviews of Modern Physics*, 93(1):010001–??, January 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.010001.

Barraza-Lopez:2021:CPP

[BLFV+21] Salvador Barraza-Lopez, Benjamin M. Fregoso, John W. Villanova, Stuart S. P. Parkin, and Kai Chang. Colloquium: Physical properties of group-IV monochalcogenide monolayers. *Reviews of Modern Physics*, 93(1):011001–??, January 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.011001.

Burkard:2023:SSQ

[BLP+23] Guido Burkard, Thaddeus D. Ladd, Andrew Pan, John M. Nichol, and Jason R. Petta. Semiconductor spin qubits. *Reviews of Modern Physics*, 95(2):025003–??, February 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.025003`.

Bachtold:2022:MPN

[BMD22] Adrian Bachtold, Joel Moser, and M. I. Dykman. Mesoscopic physics of nanomechanical systems. *Reviews of Modern Physics*, 94(4):045005–??, April 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.045005`.

Bass:2023:CPP

[BMMS23] Steven D. Bass, Sebastiano Mariazzi, Pawel Moskal, and Ewa Stepień. Colloquium: Positronium physics and biomedical applications. *Reviews of Modern Physics*, 95(2):021002–??, February 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.021002`.

Biehs:2021:NFR

[BMV+21] S.-A. Biehs, R. Messina, P. S. Venkataram, A. W. Rodriguez, J. C. Cuevas, and P. Ben-Abdallah. Near-field radiative heat transfer in many-body systems. *Reviews of Modern Physics*, 93(2):025009–??, February 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.025009`.

Barry:2020:SON

[BSB+20] John F. Barry, Jennifer M. Schloss, Erik Bauch, Matthew J. Turner, Connor A. Hart, Linh M. Pham, and Ronald L. Walsworth. Sensitivity optimization for NV-diamond magnetometry. *Reviews of Modern Physics*, 92(1):015004–??, January 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.015004`.

Bernlochner:2022:SHD

[BSRW22] Florian U. Bernlochner, Manuel Franco Sevilla, Dean J. Robinson, and Guy Wormser. Semitauonic b-hadron decays: A lepton flavor universality laboratory. *Reviews of Modern Physics*, 94(1):015003–??, January 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://www.w3.org/1998/Math/MathML.

Boschini:2024:TRA

[BZD24] Fabio Boschini, Marta Zonno, and Andrea Damascelli. Time-resolved ARPES studies of quantum materials. *Reviews of Modern Physics*, 96(1):015003–??, January 2024. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.96.015003.

Cai:2023:QEM

[CBB+23] Zhenyu Cai, Ryan Babbush, Simon C. Benjamin, Suguru Endo, William J. Huggins, Ying Li, Jarrod R. McClean, and Thomas E. O'Brien. Quantum error mitigation. *Reviews of Modern Physics*, 95(4):045005–??, April 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.045005.

Cisowski:2022:CGP

[CGFA22] C. Cisowski, J. B. Götte, and S. Franke-Arnold. Colloquium: Geometric phases of light: Insights from fiber bundle theory. *Reviews of Modern Physics*, 94(3):031001–??, March 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.031001.

Chowdhury:2022:SYK

[CGPS22] Debanjan Chowdhury, Antoine Georges, Olivier Parcollet, and Subir Sachdev. Sachdev–Ye–Kitaev models and beyond: Window into non-Fermi liquids. *Reviews of Modern Physics*, 94(3):035004–??, March 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.035004.

Chang:2023:CQA

[CLM23] Cui-Zu Chang, Chao-Xing Liu, and Allan H. MacDonald. Colloquium: Quantum anomalous Hall effect. *Reviews of Modern Physics*, 95(1):011002–??, January 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.011002.

Caciuffo:2023:SRT

[CLvdL23] R. Caciuffo, G. H. Lander, and G. van der Laan. Synchrotron radiation techniques and their application to actinide materials. *Reviews of Modern Physics*, 95(1):015001–??, January 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.015001.

Christensen:2022:PEG

[CM22] Nelson Christensen and Renate Meyer. Parameter estimation with gravitational waves. *Reviews of Modern Physics*, 94(2):025001–??, February 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.025001.

Cirac:2021:MPS

[CPGSV21] J. Ignacio Cirac, David Pérez-García, Norbert Schuch, and Frank Verstraete. Matrix product states and projected entangled pair states: Concepts, symmetries, theorems. *Reviews of Modern Physics*, 93(4):045003–??, April 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.045003.

Colman:2021:WVL

[CS21] Robert Colman and Brian J. Soden. Water vapor and lapse rate feedbacks in the climate system. *Reviews of Modern Physics*, 93(4):045002–??, April 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.045002.

Cowan:2021:OHE

[CSL+21] John J. Cowan, Christopher Sneden, James E. Lawler, Ani Aprahamian, Michael Wiescher, Karlheinz Langanke, Gabriel Martínez-Pinedo, and Friedrich-Karl Thielemann. Origin of the heaviest elements: The rapid neutron-capture process. *Reviews of Modern Physics*, 93(1):015002–??, January 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.015002`.

Chen:2022:ITR

[CXZL22] Jie Chen, Xiangfan Xu, Jun Zhou, and Baowen Li. Interfacial thermal resistance: Past, present, and future. *Reviews of Modern Physics*, 94(2):025002–??, February 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.025002`.

Defenu:2023:LRI

[DDM+23] Nicolò Defenu, Tobias Donner, Tommaso Macrì, Guido Pagano, Stefano Ruffo, and Andrea Trombettoni. Long-range interacting quantum systems. *Reviews of Modern Physics*, 95 (3):035002–??, March 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.035002`.

delaTorre:2021:CNP

[dlTKC+21] Alberto de la Torre, Dante M. Kennes, Martin Claassen, Simon Gerber, James W. McIver, and Michael A. Sentef. Colloquium: Nonthermal pathways to ultrafast control in quantum materials. *Reviews of Modern Physics*, 93(4):041002–??, April 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.041002`.

Dombi:2020:SFN

[DPV+20] Péter Dombi, Zsuzsanna Pápa, Jan Vogelsang, Sergey V. Yalunin, Murat Sivis, Georg Herink, Sascha Schäfer, Petra Groß, Claus Ropers, and Christoph Lienau. Strong-field nano-optics. *Reviews of Modern Physics*, 92(2):025003–??, February 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-

4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.025003.

Doneva:2024:SS

[DRS+24] Daniela D. Doneva, Fethi M. Ramazanoglu, Hector O. Silva, Thomas P. Sotiriou, and Stoytcho S. Yazadjiev. Spontaneous scalarization. *Reviews of Modern Physics*, 96(1):015004–??, January 2024. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.96.015004.

Emparan:2020:LLE

[EH20] Roberto Emparan and Christopher P. Herzog. Large D limit of Einstein's equations. *Reviews of Modern Physics*, 92(4):045005–??, April 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://www.w3.org/1998/Math/MathML.

Evers:2020:ACS

[EKTvR20] Ferdinand Evers, Richard Korytár, Sumit Tewari, and Jan M. van Ruitenbeek. Advances and challenges in single-molecule electron transport. *Reviews of Modern Physics*, 92(3):035001–??, March 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.035001.

Franceschini:2023:KVF

[FKK+23] Roberto Franceschini, Doojin Kim, Kyoungchul Kong, Konstantin T. Matchev, Myeonghun Park, and Prasanth Shyamsundar. Kinematic variables and feature engineering for particle phenomenology. *Reviews of Modern Physics*, 95(4):045004–??, April 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.045004.

Filippetto:2022:UED

[FML+22] D. Filippetto, P. Musumeci, R. K. Li, B. J. Siwick, M. R. Otto, M. Centurion, and J. P. F. Nunes. Ultrafast electron diffraction: Visualizing dynamic states of matter. *Reviews of Modern Physics*, 94(4):045004–??, April 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.045004.

Fert:2024:ECM

[FRG+24] Albert Fert, Ramamoorthy Ramesh, Vincent Garcia, Fèlix Casanova, and Manuel Bibes. Electrical control of magnetism by electric field and current-induced torques. *Reviews of Modern Physics*, 96(1):015005–??, January 2024. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.96.015005`.

Fabre:2020:MSQ

[FT20] C. Fabre and N. Treps. Modes and states in quantum optics. *Reviews of Modern Physics*, 92(3):035005–??, March 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.035005`.

Gonoskov:2022:CPM

[GBMB22] A. Gonoskov, T. G. Blackburn, M. Marklund, and S. S. Bulanov. Charged particle motion and radiation in strong electromagnetic fields. *Reviews of Modern Physics*, 94(4):045001–??, April 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.045001`.

Genzel:2022:NLF

[Gen22] Reinhard Genzel. Nobel Lecture: A forty-year journey. *Reviews of Modern Physics*, 94(2):020501–??, February 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.020501`.

Guhne:2023:CIM

[GHK+23] Otfried Gühne, Erkka Haapasalo, Tristan Kraft, Juha-Pekka Pellonpää, and Roope Uola. Colloquium: Incompatible measurements in quantum information science. *Reviews of Modern Physics*, 95(1):011003–??, January 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.011003`.

Guo:2018:HM

[GHM+18] Feng-Kun Guo, Christoph Hanhart, Ulf-G. Meißner, Qian Wang, Qiang Zhao, and Bing-Song Zou. Hadronic molecules. *Reviews of Modern Physics*, 90(1):015004–??, January 2018. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.90.015004. See erratum [GHM+22].

Guo:2022:EHM

[GHM+22] Feng-Kun Guo, Christoph Hanhart, Ulf-G. Meißner, Qian Wang, Qiang Zhao, and Bing-Song Zou. Erratum: Hadronic molecules [Rev. Mod. Phys. **90**, 015004 (2018)]. *Reviews of Modern Physics*, 94(2):029901–??, February 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.029901. See [GHM+18].

Ghil:2020:PCV

[GL20] Michael Ghil and Valerio Lucarini. The physics of climate variability and climate change. *Reviews of Modern Physics*, 92(3):035002–??, March 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.035002.

Gelmukhanov:2021:DRX

[GOP+21] Faris Gel'mukhanov, Michael Odelius, Sergey P. Polyutov, Alexander Föhlisch, and Victor Kimberg. Dynamics of resonant X-ray and Auger scattering. *Reviews of Modern Physics*, 93(3):035001–??, March 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.035001.

Gromov:2024:CFM

[GR24] Andrey Gromov and Leo Radzihovsky. Colloquium: Fracton matter. *Reviews of Modern Physics*, 96(1):011001–??, January 2024. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.96.011001.

Gao:2022:PCR

[GV22] H. Gao and M. Vanderhaeghen. The proton charge radius. *Reviews of Modern Physics*, 94(1):015002–??, January 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.015002.

Garcia-Vidal:2022:SSP

[GVFDMM+22] Francisco J. Garcia-Vidal, Antonio I. Fernández-Domínguez, Luis Martin-Moreno, Hao Chi Zhang, Wenxuan Tang, Ruwen Peng, and Tie Jun Cui. Spoof surface plasmon photonics. *Reviews of Modern Physics*, 94(2):025004–??, February 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.025004.

Halperin:2020:AME

[Hal20] Bertrand I. Halperin. APS Medal for Exceptional Achievement in Research: Topology and other tools in condensed matter physics. *Reviews of Modern Physics*, 92(4):045001–??, April 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.045001.

Hangleiter:2023:CAQ

[HE23] Dominik Hangleiter and Jens Eisert. Computational advantage of quantum random sampling. *Reviews of Modern Physics*, 95(3):035001–??, March 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.035001.

Hagan:2021:EMS

[HG21] Michael F. Hagan and Gregory M. Grason. Equilibrium mechanisms of self-limiting assembly. *Reviews of Modern Physics*, 93(2):025008–??, February 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.025008.

Harlow:2023:WGC

[HHRR23] Daniel Harlow, Ben Heidenreich, Matthew Reece, and Tom Rudelius. Weak gravity conjecture. *Reviews of Mod-*

ern Physics, 95(3):035003–??, March 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.035003.

Ha:2022:BSE

[HKP+22] G. Ha, K.-J. Kim, J. G. Power, Y. Sun, and P. Piot. Bunch shaping in electron linear accelerators. *Reviews of Modern Physics*, 94(2):025006–??, February 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.025006.

Hammer:2020:NEF

[HKvK20] H.-W. Hammer, Sebastian König, and U. van Kolck. Nuclear effective field theory: Status and perspectives. *Reviews of Modern Physics*, 92(2):025004–??, February 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.025004.

Hochrainer:2022:QIP

[HLE+22] Armin Hochrainer, Mayukh Lahiri, Manuel Erhard, Mario Krenn, and Anton Zeilinger. Quantum indistinguishability by path identity and with undetected photons. *Reviews of Modern Physics*, 94(2):025007–??, February 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.025007.

Hartnoll:2022:CPD

[HM22] Sean A. Hartnoll and Andrew P. Mackenzie. Colloquium: Planckian dissipation in metals. *Reviews of Modern Physics*, 94(4):041002–??, April 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.041002.

Hurricane:2023:PPI

[HPB+23] O. A. Hurricane, P. K. Patel, R. Betti, D. H. Froula, S. P. Regan, S. A. Slutz, M. R. Gomez, and M. A. Sweeney. Physics principles of inertial confinement fusion and U.S. program overview. *Reviews of Modern Physics*, 95(2):025005–??, February 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.025005.

Harilal:2022:ODL

[HPF+22] S. S. Harilal, M. C. Phillips, D. H. Froula, K. K. Anoop, R. C. Issac, and F. N. Beg. Optical diagnostics of laser-produced plasmas. *Reviews of Modern Physics*, 94(3):035002–??, March 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.035002. See erratum [HPF+24].

Harilal:2024:EOD

[HPF+24] S. S. Harilal, M. C. Phillips, D. H. Froula, K. K. Anoop, R. C. Issac, and F. N. Beg. Erratum: Optical diagnostics of laser-produced plasmas [Rev. Mod. Phys. **94**, 035002 (2022)]. *Reviews of Modern Physics*, 96(1):019901–??, January 2024. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.96.019901. See [HPF+22].

Isidori:2024:SME

[IWW24] Gino Isidori, Felix Wilsch, and Daniel Wyler. The standard model effective field theory at work. *Reviews of Modern Physics*, 96(1):015006–??, January 2024. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.96.015006.

Jagannathan:2021:FQC

[Jag21] Anuradha Jagannathan. The Fibonacci quasicrystal: Case study of hidden dimensions and multifractality. *Reviews of Modern Physics*, 93(4):045001–??, April 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.045001.

Ji:2021:LME

[JLL+21] Xiangdong Ji, Yizhuang Liu, Yu-Sheng Liu, Jian-Hui Zhang, and Yong Zhao. Large-momentum effective theory. *Reviews of Modern Physics*, 93(3):035005–??, March 2021. CODEN

RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.035005.

Junquera:2023:TPP

[JNP+23] Javier Junquera, Yousra Nahas, Sergei Prokhorenko, Laurent Bellaiche, Jorge Íñiguez, Darrell G. Schlom, Long-Qing Chen, Sayeef Salahuddin, David A. Muller, Lane W. Martin, and R. Ramesh. Topological phases in polar oxide nanostructures. *Reviews of Modern Physics*, 95(2):025001–??, February 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.025001.

Kamien:2023:ER

[Kam23] Randall D. Kamien. Editorial: To review is to be. *Reviews of Modern Physics*, 95(3):030001–??, March 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.030001.

Kuepferling:2023:MID

[KCS+23] M. Kuepferling, A. Casiraghi, G. Soares, G. Durin, F. Garcia-Sanchez, L. Chen, C. H. Back, C. H. Marrows, S. Tacchi, and G. Carlotti. Measuring interfacial Dzyaloshinskii–Moriya interaction in ultrathin magnetic films. *Reviews of Modern Physics*, 95(1):015003–??, January 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.015003.

Kutschera:2023:ACA

[KJPW23] Walter Kutschera, A. J. Timothy Jull, Michael Paul, and Anton Wallner. Atom counting with accelerator mass spectrometry. *Reviews of Modern Physics*, 95(3):035006–??, March 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.035006.

Kovarik:2020:HSH

[KNS20] Karol Kovarík, Pavel M. Nadolsky, and Davison E. Soper. Hadronic structure in high-energy collisions. *Reviews of Modern Physics*, 92(4):045003–??, April 2020. CODEN RM-

PHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.045003.

Kirchner:2020:CHE

[KPC+20] Stefan Kirchner, Silke Paschen, Qiuyun Chen, Steffen Wirth, Donglai Feng, Joe D. Thompson, and Qimiao Si. Colloquium: Heavy-electron quantum criticality and single-particle spectroscopy. *Reviews of Modern Physics*, 92(1):011002–??, January 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.011002.

Lu:2022:MQE

[LCPP22] Chao-Yang Lu, Yuan Cao, Cheng-Zhi Peng, and Jian-Wei Pan. Micius quantum experiments in space. *Reviews of Modern Physics*, 94(3):035001–??, March 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.035001.

Lode:2020:CMT

[LLM+20] Axel U. J. Lode, Camille Lévêque, Lars Bojer Madsen, Alexej I. Streltsov, and Ofir E. Alon. Colloquium: Multiconfigurational time-dependent Hartree approaches for indistinguishable particles. *Reviews of Modern Physics*, 92(1):011001–??, January 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.011001.

Landi:2021:IEP

[LP21] Gabriel T. Landi and Mauro Paternostro. Irreversible entropy production: From classical to quantum. *Reviews of Modern Physics*, 93(3):035008–??, March 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.035008.

Landi:2022:NBD

[LPS22] Gabriel T. Landi, Dario Poletti, and Gernot Schaller. Nonequilibrium boundary-driven quantum systems: Models, methods, and properties. *Reviews of Modern Physics*, 94(4):045006–??, April 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.045006`.

Lv:2021:EPT

[LQD21] B. Q. Lv, T. Qian, and H. Ding. Experimental perspective on three-dimensional topological semimetals. *Reviews of Modern Physics*, 93(2):025002–??, February 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.025002`.

Lauricella:2020:MPS

[LSZ+20] Marco Lauricella, Sauro Succi, Eyal Zussman, Dario Pisignano, and Alexander L. Yarin. Models of polymer solutions in electrified jets and solution blowing. *Reviews of Modern Physics*, 92(3):035004–??, March 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.035004`.

Mitchell:2020:CQL

[MA20] Morgan W. Mitchell and Silvana Palacios Alvarez. Colloquium: Quantum limits to the energy resolution of magnetic field sensors. *Reviews of Modern Physics*, 92(2):021001–??, February 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.021001`.

Monroe:2021:PQS

[MCD+21] C. Monroe, W. C. Campbell, L.-M. Duan, Z.-X. Gong, A. V. Gorshkov, P. W. Hess, R. Islam, K. Kim, N. M. Linke, G. Pagano, P. Richerme, C. Senko, and N. Y. Yao. Programmable quantum simulations of spin systems with trapped ions. *Reviews of Modern Physics*, 93(2):025001–??, February 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.025001`.

McArdle:2020:QCC

[MEAG+20] Sam McArdle, Suguru Endo, Alán Aspuru-Guzik, Simon C. Benjamin, and Xiao Yuan. Quantum computational chemistry. *Reviews of Modern Physics*, 92(1):015003–??, January

2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.015003.

Marmol:2024:CMB

[MGF24] M. Marmol, E. Gachon, and D. Faivre. Colloquium: Magnetotactic bacteria: From flagellar motor to collective effects. *Reviews of Modern Physics*, 96(2):021001–??, February 2024. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.96.021001.

Mugnai:2020:TPB

[MHHT20] Mauro L. Mugnai, Changbong Hyeon, Michael Hinczewski, and D. Thirumalai. Theoretical perspectives on biological machines. *Reviews of Modern Physics*, 92(2):025001–??, February 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.025001.

Mathijssen:2023:CFM

[MLPM23] Arnold J. T. M. Mathijssen, Maciej Lisicki, Vivek N. Prakash, and Endre J. L. Mossige. Culinary fluid mechanics and other currents in food science. *Reviews of Modern Physics*, 95(2):025004–??, February 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.025004.

Meurice:2022:TLF

[MSUY22] Yannick Meurice, Ryo Sakai, and Judah Unmuth-Yockey. Tensor lattice field theory for renormalization and quantum computing. *Reviews of Modern Physics*, 94(2):025005–??, February 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.025005.

Miller:2020:TYH

[MTGS20] Steve Miller, Jonathan Tennyson, Thomas R. Geballe, and Tom Stallard. Thirty years of H_3^+ astronomy. *Reviews of Modern Physics*, 92(3):035003–??, March 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://www.w3.org/1998/Math/MathML.

Nomura:2020:CQC

[NO20] R. Nomura and Y. Okuda. Colloquium: Quantum crystallizations of ^{4}He in superfluid far from equilibrium. *Reviews of Modern Physics*, 92(4):041003–??, April 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://www.w3.org/1998/Math/MathML.

Otsuka:2020:ESS

[OGS+20] Takaharu Otsuka, Alexandra Gade, Olivier Sorlin, Toshio Suzuki, and Yutaka Utsuno. Evolution of shell structure in exotic nuclei. *Reviews of Modern Physics*, 92(1):015002–??, January 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.015002.

Parisi:2023:NLM

[Par23] Giorgio Parisi. Nobel lecture: Multiple equilibria. *Reviews of Modern Physics*, 95(3):030501–??, March 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.030501.

Presigny:2022:CMM

[PD22] Charley Presigny and Fabrizio De Vico Fallani. Colloquium: Multiscale modeling of brain network organization. *Reviews of Modern Physics*, 94(3):031002–??, March 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.031002.

Pickett:2023:CRT

[Pic23] Warren E. Pickett. Colloquium: Room temperature superconductivity: The roles of theory and materials design. *Reviews of Modern Physics*, 95(2):021001–??, February 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.021001.

Pekola:2021:CQH

[PK21] Jukka P. Pekola and Bayan Karimi. Colloquium: Quantum heat transport in condensed matter systems. *Reviews of Modern Physics*, 93(4):041001–??, April 2021. CODEN

RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.041001.

Pachucki:2024:CTL

[PLH+24] K. Pachucki, V. Lensky, F. Hagelstein, S. S. Li Muli, S. Bacca, and R. Pohl. Comprehensive theory of the Lamb shift in light muonic atoms. *Reviews of Modern Physics*, 96(1):015001–??, January 2024. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.96.015001.

Pohlker:2023:RAD

[PPK+23] Mira L. Pöhlker, Christopher Pöhlker, Ovid O. Krüger, Jan-David Förster, Thomas Berkemeier, Wolfgang Elbert, Janine Fröhlich-Nowoisky, Ulrich Pöschl, Gholamhossein Bagheri, Eberhard Bodenschatz, J. Alex Huffman, Simone Scheithauer, and Eugene Mikhailov. Respiratory aerosols and droplets in the transmission of infectious diseases. *Reviews of Modern Physics*, 95(4):045001–??, April 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.045001.

Portmann:2022:SQC

[PR22] Christopher Portmann and Renato Renner. Security in quantum cryptography. *Reviews of Modern Physics*, 94(2):025008–??, February 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.025008.

Piquero-Zulaica:2022:EQS

[PZLCEF+22] Ignacio Piquero-Zulaica, Jorge Lobo-Checa, Zakaria M. Abd El-Fattah, J. Enrique Ortega, Florian Klappenberger, Willi Auwärter, and Johannes V. Barth. Engineering quantum states and electronic landscapes through surface molecular nanoarchitectures. *Reviews of Modern Physics*, 94(4):045008–??, April 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.045008.

Reiserer:2022:CCE

[Rei22] Andreas Reiserer. Colloquium: Cavity-enhanced quantum network nodes. *Reviews of Modern Physics*, 94(4):041003–??, April 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.041003.

Reichhardt:2022:SDS

[RRM22] C. Reichhardt, C. J. O. Reichhardt, and M. V. Milosević. Statics and dynamics of skyrmions interacting with disorder and nanostructures. *Reviews of Modern Physics*, 94(3):035005–??, March 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.035005.

Rosen:2022:IBO

[RTK22] Guillermo F. Quinteiro Rosen, Pablo I. Tamborenea, and Tilmann Kuhn. Interplay between optical vortices and condensed matter. *Reviews of Modern Physics*, 94(3):035003–??, March 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.035003.

Schaeffer:2023:PIH

[SBB+23] Derek B. Schaeffer, Archie F. A. Bott, Marco Borghesi, Kirk A. Flippo, William Fox, Julien Fuchs, Chikang Li, Fredrick H. Séguin, Hye-Sook Park, Petros Tzeferacos, and Louise Willingale. Proton imaging of high-energy-density laboratory plasmas. *Reviews of Modern Physics*, 95(4):045007–??, April 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.045007.

Shah:2024:CTP

[SBPM24] Tirth Shah, Christian Brendel, Vittorio Peano, and Florian Marquardt. Colloquium: Topologically protected transport in engineered mechanical systems. *Reviews of Modern Physics*, 96(2):021002–??, February 2024. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.96.021002.

Stolzenburg:2023:ANG

[SCB+23] Dominik Stolzenburg, Runlong Cai, Sara M. Blichner, Jenni Kontkanen, Putian Zhou, Risto Makkonen, Veli-Matti Kerminen, Markku Kulmala, Ilona Riipinen, and Juha Kangasluoma. Atmospheric nanoparticle growth. *Reviews of Modern Physics*, 95(4):045002–??, April 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.045002`.

Schmidt:2022:PFT

[Sch22] Matthias Schmidt. Power functional theory for many-body dynamics. *Reviews of Modern Physics*, 94(1):015007–??, January 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.015007`.

Sobota:2021:ARP

[SHS21] Jonathan A. Sobota, Yu He, and Zhi-Xun Shen. Angle-resolved photoemission studies of quantum materials. *Reviews of Modern Physics*, 93(2):025006–??, February 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.025006`.

Sikivie:2021:IAS

[Sik21] Pierre Sikivie. Invisible axion search methods. *Reviews of Modern Physics*, 93(1):015004–??, January 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.015004`.

Szilva:2023:QTM

[SKS+23] Attila Szilva, Yaroslav Kvashnin, Evgeny A. Stepanov, Lars Nordström, Olle Eriksson, Alexander I. Lichtenstein, and Mikhail I. Katsnelson. Quantitative theory of magnetic interactions in solids. *Reviews of Modern Physics*, 95(3):035004–??, March 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.035004`.

Stokes:2022:IGF

[SN22] Adam Stokes and Ahsan Nazir. Implications of gauge freedom for nonrelativistic quantum electrodynamics. *Reviews of Modern Physics*, 94(4):045003–??, April 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.045003.

Singh:2022:CSS

[SO22] Martin S. Singh and Morgan E O'Neill. The climate system and the Second Law of Thermodynamics. *Reviews of Modern Physics*, 94(1):015001–??, January 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.015001.

Sheremet:2023:WQE

[SPI+23] Alexandra S. Sheremet, Mihail I. Petrov, Ivan V. Iorsh, Alexander V. Poshakinskiy, and Alexander N. Poddubny. Waveguide quantum electrodynamics: Collective radiance and photon-photon correlations. *Reviews of Modern Physics*, 95 (1):015002–??, January 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.015002.

Schumacher:2020:CUD

[SS20] Jörg Schumacher and Katepalli R. Sreenivasan. Colloquium: Unusual dynamics of convection in the Sun. *Reviews of Modern Physics*, 92(4):041001–??, April 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.041001.

Smidman:2023:CUF

[SSN+23] Michael Smidman, Oliver Stockert, Emilian M. Nica, Yang Liu, Huiqiu Yuan, Qimiao Si, and Frank Steglich. Colloquium: Unconventional fully gapped superconductivity in the heavy-fermion metal $CeCu_2Si_2$. *Reviews of Modern Physics*, 95(3): 031002–??, March 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://www.w3.org/1998/Math/MathML.

Sun:2023:CMI

[Sun23] Mao Sun. Colloquium: Miniature insect flight. *Reviews of Modern Physics*, 95(4):041001–??, April 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.041001.

Shiltsev:2021:MFC

[SZ21] V. Shiltsev and F. Zimmermann. Modern and future colliders. *Reviews of Modern Physics*, 93(1):015006–??, January 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.015006.

Talkner:2020:CSM

[TH20] Peter Talkner and Peter Hänggi. Colloquium: Statistical mechanics and thermodynamics at strong coupling: Quantum and classical. *Reviews of Modern Physics*, 92(4):041002–??, April 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.041002. See erratum [TH22].

Talkner:2022:ECS

[TH22] Peter Talkner and Peter Hänggi. Erratum: Colloquium: Statistical mechanics and thermodynamics at strong coupling: Quantum and classical [Rev. Mod. Phys. **92**, 041002 (2020)]. *Reviews of Modern Physics*, 94(3):039901–??, March 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.039901. See [TH20].

Thoennessen:2020:EPI

[Tho20] Michael Thoennessen. Editorial: Promoting inclusive and respectful communications. *Reviews of Modern Physics*, 92 (4):040001–??, April 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.040001.

Torbati:2022:CMD

[TMLS22] Mehdi Torbati, Kosar Mozaffari, Liping Liu, and Pradeep Sharma. Coupling of mechanical deformation and electromagnetic fields in biological cells. *Reviews of Modern Physics*, 94(2):025003–??, February 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.025003`.

Tiesinga:2021:CRV

[TMNT21] Eite Tiesinga, Peter J. Mohr, David B. Newell, and Barry N. Taylor. CODATA recommended values of the fundamental physical constants: 2018. *Reviews of Modern Physics*, 93(2):025010–??, February 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.025010`.

Thomas:2022:EWH

[TT22] Jessica Thomas and Michael Thoennessen. Editorial: A welcoming home for applied science. *Reviews of Modern Physics*, 94(4):040001–??, April 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.040001`.

Uola:2020:QS

[UCNG20] Roope Uola, Ana C. S. Costa, H. Chau Nguyen, and Otfried Gühne. Quantum steering. *Reviews of Modern Physics*, 92(1):015001–??, January 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.015001`.

Varma:2020:CLT

[Var20] Chandra M. Varma. Colloquium: Linear in temperature resistivity and associated mysteries including high temperature superconductivity. *Reviews of Modern Physics*, 92(3):031001–??, March 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.031001`.

Vynck:2023:LCD

[VPC+23] Kevin Vynck, Romain Pierrat, Rémi Carminati, Luis S. Froufe-Pérez, Frank Scheffold, Riccardo Sapienza, Silvia Vignolini, and Juan José Sáenz. Light in correlated disordered media. *Reviews of Modern Physics*, 95(4):045003–??, April 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.045003`.

Vitagliano:2020:GUN

[VTR20] Edoardo Vitagliano, Irene Tamborra, and Georg Raffelt. Grand unified neutrino spectrum at Earth: Sources and spectral components. *Reviews of Modern Physics*, 92(4):045006–??, April 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.045006`.

Wharton:2020:CBT

[WA20] K. B. Wharton and N. Argaman. Colloquium: Bell's theorem and locally mediated reformulations of quantum mechanics. *Reviews of Modern Physics*, 92(2):021002–??, February 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.021002`.

Witthaut:2022:CND

[WHK+22] Dirk Witthaut, Frank Hellmann, Jürgen Kurths, Stefan Kettemann, Hildegard Meyer-Ortmanns, and Marc Timme. Collective nonlinear dynamics and self-organization in decentralized power grids. *Reviews of Modern Physics*, 94(1):015005–??, January 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.015005`.

Witten:2020:LRS

[Wit20] Edward Witten. Light rays, singularities, and all that. *Reviews of Modern Physics*, 92(4):045004–??, April 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.045004`.

Wang:2024:CSP

[WKVT24] Jin Wang, Ali Khosravi, Andrea Vanossi, and Erio Tosatti. Colloquium: Sliding and pinning in structurally lubric 2D material interfaces. *Reviews of Modern Physics*, 96(1):011002–??, January 2024. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.96.011002.

Williamson:2021:ECC

[WTC+21] Mark S. Williamson, Chad W. Thackeray, Peter M. Cox, Alex Hall, Chris Huntingford, and Femke J. M. M. Nijsse. Emergent constraints on climate sensitivities. *Reviews of Modern Physics*, 93(2):025004–??, February 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.025004.

Wu:2021:WIS

[Wu21] Zhen Wu. Wall interactions of spin-polarized atoms. *Reviews of Modern Physics*, 93(3):035006–??, March 2021. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.93.035006.

Xu:2020:SQK

[XMZ+20] Feihu Xu, Xiongfeng Ma, Qiang Zhang, Hoi-Kwong Lo, and Jian-Wei Pan. Secure quantum key distribution with realistic devices. *Reviews of Modern Physics*, 92(2):025002–??, February 2020. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.92.025002.

Yang:2024:CME

[YZX+24] Fubao Yang, Zeren Zhang, Liujun Xu, Zhoufei Liu, Peng Jin, Pengfei Zhuang, Min Lei, Jinrong Liu, Jian-Hua Jiang, Xiaoping Ouyang, Fabio Marchesoni, and Jiping Huang. Controlling mass and energy diffusion with metamaterials. *Reviews of Modern Physics*, 96(1):015002–??, January 2024. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.96.015002.

Zhang:2023:PFR

[Zha23] Bing Zhang. The physics of fast radio bursts. *Reviews of Modern Physics*, 95(3):035005–??, March 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.035005.

Zaletel:2023:CQC

[ZLM+23] Michael P. Zaletel, Mikhail Lukin, Christopher Monroe, Chetan Nayak, Frank Wilczek, and Norman Y. Yao. Colloquium: Quantum and classical discrete time crystals. *Reviews of Modern Physics*, 95(3):031001–??, March 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.031001.

Zhao:2022:LMM

[ZSC+22] Cang Zhao, Bo Shi, Shuailei Chen, Dong Du, Tao Sun, Brian J. Simonds, Kamel Fezzaa, and Anthony D. Rollett. Laser melting modes in metal powder bed fusion additive manufacturing. *Reviews of Modern Physics*, 94(4):045002–??, April 2022. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.94.045002.

Zwolak:2023:CAA

[ZT23] Justyna P. Zwolak and Jacob M. Taylor. Colloquium: Advances in automation of quantum dot devices control. *Reviews of Modern Physics*, 95(1):011006–??, January 2023. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://journals.aps.org/rmp/abstract/10.1103/RevModPhys.95.011006.