	Authors	Title
	Rigetti Poster Session I, Monday, January 15	
1	Dax Enshan Koh, Murphy Yuezhen Niu and Theodore J. Yoder	Quantum simulation from the bottom up: the case of rebits
2	Kerstin Beer	Contextuality and Cohomology
3	Christian Krumnow, Zoltán Zimborás and Jens Eisert	A fermionic de Finetti theorem
4	Martin Plesch and Matej Pivoluska	Loss of Information in Quantum Guessing Game
5	Ciaran Lee and Matthew Hoban	Towards device-independent information processing on general quantum networks
6	Alberto Delgado	Mapping State Variables into Quantum States
7	Kamil Korzekwa, Matteo Lostaglio and Antony Milne	Markovian evolution of quantum coherence under symmetric dynamics
8	Waldir Soares, Eduardo Silva and Franciele Soares	Polygonal Color Codes: a proposal to expand the triangular color codes
9	Raouf Dridi and Hedayat Alghassi	Morse homology for adiabatic quantum computation
10	Yannick Deville and Alain Deville	Blind (i.e. Unsupervised) Quantum Process Tomography: Identifying a Quantum System with Unknown Input Values
11	Divesh Aggarwal, Kai-Min Chung, Han-Hsuan Lin and Thomas Vidick	A Quantum-Proof Non-Malleable Extractor, With Application to Privacy Amplification against Active Quantum Adversaries
12	Ramona Wolf	Fusion in Tensor Categories
13	Shai Machnes, Elie Ass´emat, David Tannor and Frank Wilhelm	Tunable, Flexible and Efficient Optimization of Control Pulses for Practical Qubit Gates
14	Siddhartha Das, Ludovico Lami, Kaushik Seshadreesan and Mark Wilde	Petz recovery map and Renyi relative entropies in Gaussian quantum information
15	Gorjan Alagic and Christian Majenz	Quantum non-malleability and authentication
16	Parveen Kumar and Apoorva Patel	Weak measurements, quantum-state collapse, and the Born rule
17	Bartosz Regula	Convex geometry of quantum resource quantification
18	Yuki Takeuchi and Tomoyuki Morimae	Verification of many-qubit states
19	V. Vilasini, Christopher Portmann and Lídia Del Rio	Composable security in relativistic quantum cryptography
20	Chris Cade and Ashley Montanaro	The Quantum Complexity of Computing Schatten p-norms
21	Yuxiang Yang, Giulio Chiribella and Qinheping Hu	Units of rotational information
22	Paweł Mazurek and Michal Horodecki	Decomposability and Convex Structure of Thermal Processes
23	Ge Bai and Giulio Chiribella	Test one to test many: a unified approach to quantum benchmarks
24	Mateus Araújo, Philippe Allard Guerin and Ämin Baumeler	Quantum computation with indefinite causal structures
25	Honghao Fu, Carl Miller and Yaoyun Shi	Randomness in nonlocal games between mistrustful players
26	Fernando Pastawski, Jens Eisert and Henrik Wilming	Towards holography via quantum source-channel codes

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27	Guang Hao Low and Isaac Chuang	Hamiltonian simulation by qubitization
28	Stefano Pirandola and Cosmo Lupo	Ultimate Precision of Adaptive Noise Estimation
29	Gautam Sharma	Complementarity Relation for Coherence and Disturbance
30	Kun Fang, Xin Wang, Marco Tomamichel and Runyao Duan	Non-asymptotic entanglement distillation
31	Carlo Ottaviani, Cosmo Lupo, Riccardo Laurenza and Stefano Pirandola	High-rate quantum conferencing and secret sharing
32	Mario Berta, Fernando Brandao and Christoph Hirche	On Composite Quantum Hypothesis Testing
33	David Tuckett, Stephen Bartlett and Steve Flammia	Ultra-high error threshold for surface codes with biased noise
34	Nilanjana Datta, Eneet Kaur, Felix Leditzky and Mark Wilde	Bounds on quantum channel capacities from approximate additivity of channel information quantities
35	Pietro Liuzzo-Scorpo, Andrea Mari, Vittorio Giovannetti and Gerardo Adesso	Optimal quantum teleportation with limited resources
36	Ulysse Chabaud, Tom Douce, Damian Markham, Peter van Loock, Elham Kashefi and Giulia Ferrini	Continuous-Variable Sampling from Photon-Added or Photon-Subtracted Squeezed States
37	Theodora Kolioni	The quantum information's transmission through a quantum scalar field
38	Martin Ringbauer, Thomas Bromley, Marco Cianciaruso, Sarah Lau, Gerardo Adesso, Andrew White, Alessandro Fedrizzi and Marco Piani	Quasi-device-independent witnessing of genuine multilevel quantum coherence
39	Michael Kastoryano and Angelo Lucia	A limitation on the asymptotic decay of vanishing spectral gaps
40	Panagiotis Papanastasiou, Christian Weedbrook and Stefano Pirandola	Continuous-variable quantum key distribution in fast fading channels
41	Andreas Bluhm, Lukas Rauber and Michael M. Wolf	Quantum compression relative to a set of measurements
42	Máté Farkas	n-fold unbiased bases: an extension of the MUB condition
43	Elisa Bäumer, Marti Perarnau-Llobet, Philipp Kammerlander and Renato Renner	Partial Thermalizations Allow for Optimal Thermodynamic Processes
44	Rupert Levene, Vern Paulsen and Ivan Todorov	Complexity and capacity bounds for quantum channels
45	Carl Miller, Neil Ross and Spencer Breiner	Graphical Methods in Device-Independent Quantum Cryptography
46	Matej Pivoluska, Marcus Huber and Mehul Malik	Layered Quantum Key Distribution
47	Jérémy Ribeiro, Glaucia Murta and Stephanie Wehner	Fully device independent Conference Key Agreement
48	Yanlin Chen, Kai-Min Chung and Ching-Yi Lai	Space-efficient classical and quantum algorithms for the shortest vector problem
49	Samuele Ferracin, Theodoros Kapourniotis and Animesh Datta	A trap based technique for verification of quantum computations
50	Elton Yechao Zhu, Quntao Zhuang, Min-Hsiu Hsieh and Peter Shor	Superadditivity in Trade-off Capacities of Quantum Channels
51	Timothy Proctor, Kenneth Rudinger, Kevin Young, Mohan Sarovar and Robin Blume-Kohout	What randomized benchmarking actually measures
52	Zi-Wen Liu, Seth Lloyd, Elton Yechao Zhu and Huangjun Zhu	Generalized entanglement entropies of quantum designs
53	Piotr Frąckiewicz	Quantum Penny Flip game with unawareness

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54	Anna Levit, Daniel Crawford, Navid Ghadermarzi, Jaspreet S. Oberoi, Ehsan Zahedinejad and Pooya Ronagh	Free energy-based reinforcement learning using a quantum processor
55	Daniel Litinski, Markus Kesselring, Jens Eisert and Felix von Oppen	Minimizing the overhead of Clifford gates with topological quantum computing
56	Rawad Mezher, Damian Markham, Joe Ghalbouni and Joseph Dgheim	Efficient quantum pseudorandomness with simple graph states
57	Ryuji Takagi, Theodore Yoder and Isaac Chuang	Error rates and resource overheads of encoded three-qubit gates
58	Yi-Cong Zheng, Ching-Yi Lai and Todd Brun	Efficient Preparation of Large Block Code Ancilla States for Fault-tolerant Quantum Computation
59	Vedran Dunjko, Yi-Kai Liu, Xingyao Wu and Jacob Taylor	Super-polynomial separations for quantum-enhanced reinforcement learning
60	Martin Roetteler, Michael Naehrig, Krysta Svore and Kristin Lauter	Quantum resource estimates for computing elliptic curve discrete logarithms
61	Cupjin Huang and Michael Newman	Fault-tolerant switching between generic stabilizer codes
62	Paul Erker, Mark Mitchison, Ralph Silva, Mischa Woods, Nicolas Brunner and Marcus Huber	Autonomous quantum clocks: does thermodynamics limit our ability to measure time?
63	Sania Jevtic and Ryan Barnett	Frustration-free Hamiltonians supporting Majorana zero edge modes
64	Lorenzo Catani and Dan Browne	Spekkens' toy model in all dimensions and its relationship with stabiliser quantum mechanics
65	Stephen Piddock and Ashley Montanaro	Universal qudit Hamiltonians
66	Mischa Woods, Ralph Silva, Gilles Puitz and Renato Renner	Quantum clocks are more accurate than classical ones
67	Michael Beverland, Ben Brown, Michael Kastoryano and Quentin Marolleau	An analytic model for finite error rate topological error correction
68	Sheir Yarkoni, Aske Plaat and Thomas Baeck	First results solving arbitrarily structured Maximum Independent Set problems using quantum annealing
69	Ángela Capel, Angelo Lucia and David Pérez-García	Superadditivity of quantum relative entropy for general states
70	Joris Kattemolle and Ben Freivogel	Entangled wavepackets in the vacuum
71	Ray Perlner and Yi-Kai Liu	Thermodynamic Analysis of Classical and Quantum Search Algorithms
72	Yonathan Touati and Dorit Aharonov	Algebraic topology based Circuit-depth lower bounds for groundstates of local Hamiltonians
73	Amarsanaa Davaasuren, Yasunari Suzuki, Keisuke Fujii and Masato Koashi	Machine-learning based framework for fast and high performance decoding of the topological stabilizer codes
74	Tongyang Li and Xiaodi Wu	Quantum query complexity of entropy estimation
75	Axel Dahlberg and Stephanie Wehner	Localising entanglement in a quantum network, using graph states
76	Koon Tong Goh, Jedrzej Kaniewski, Elie Wolfe, Tamas Vertesi, Xingyao Wu, Yu Cai, Yeong-Cherng Liang and Valerio Scarani	Geometry of the quantum set of correlations and its implications for self-testing
77	Matteo Lostaglio, Alvaro Martin Alhambra and Chris Perry	Elementary Thermal Operations
78	Mattia Walschaers, Claude Fabre, Valentina Parigi and Nicolas Treps	Non-Gaussian states for quantum information: multimode photon addition and subtraction
79	Matthias Christandl, Roberto Ferrara and Cecilia Lancien Lancien	Private states, quantum data hiding and the swapping of perfect secrecy: Random Constructions
80	Dardo Goyeneche, Zahra Raissi, Sara Di Martino and Karol Zyczkowski	Quantum orthogonal arrays and its applications

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81	Adam Bouland and Maris Ozols	Trading inverses for an irrep in the Solovay-Kitaev theorem
82	Yanbao Zhang, Emanuel Knill and Peter Bierhorst	Certifying Quantum Randomness by Probability Estimation
83	Jisho Miyazaki, Akihito Soeda and Mio Murao	Universal complex conjugation of quantum states and unitaries: implementation algorithm and implications
84	Lingling Lao, Ben Criger, Carmen G.Almudever and Koen Bertels	Preparing and enlarging magic states on rotated planar surface codes
85	Ching-Yi Lai and Kai-Min Chung	On Statistically-Secure Quantum Homomorphic Encryption
86	Carlo Sparaciari, David Jennings and Jonathan Oppenheim	Energetic instability of passive states in thermodynamics
87	Jonas Helsen, Mark Steudtner, Menno Veldhorst and Stephanie Wehner	Quantum error correction in crossbar architectures
88	Robin Reuvers	An algorithm to explore entanglement in small systems
89	Alexander Müller-Hermes and Matthias Christandl	Relative Entropy Bounds on Quantum, Private and Repeater Capacities
90	Victor Albert, Noh Kyungjoo, Kasper Duivenvoorden, Richard Brierley, Philip Reinhold, Christophe Vuillot, Linshu Li, Chao Shen, Steven Girvin, Barbara Terhal and Liang Jiang	Bosonic Quantum Error Correction
91	Daniel Nagaj, Libor Caha and Martin Schwarz	Shorter unentangled proofs for Ground State Connectivity
92	Asger Kjærulff Jensen, Jeroen Zuiddam and Matthias Christandl	Tensor rank is not multiplicative under the tensor product
93	Cambyse Rouze and Nilanjana Datta	Finite blocklength analysis of hypothesis testing of correlated quantum states and application to classical-quantum channels with memory
94	Yimin Ge and Andras Molnar	A generalization of the injectivity condition for Projected Entangled Pair States
95	Katharina Schwaiger	Operational entanglement measures and state transformations
96	Daniel J. Weigand and Barbara M. Terhal	Breeding Grid States From Schrödinger Cat States without Post-Selection
97	Nadish de Silva	Logical paradoxes in quantum computation
98	Nilanjana Datta, Eric P. Hanson, Michal Horodecki, Remco van der Meer, Nelly Ng, Jonathan Oppenheim, Carlo Sparaciari and Stephanie Wehner	Approximate majorization and its applications
99	Albert Atserias, Laura Mančinska, David Roberson, Robert Samal, Simone Severini and Antonios Varvitsiotis	Quantum-inspired relaxations of graph isomorphism
100	Juan Bermejo-Vega, Dominik Hangleiter, Martin Schwarz, Robert Raussendorf and Jens Eisert	Architectures for quantum simulation showing a quantum speedup
101	Leonardo Banchi, Daniel Burgarth and Michael James Kastoryano	Driven quantum dynamics: will it blend?
102	Raul Garcia-Patron Sanchez, Jelmer Renema and Valery Shchesnovich	Boson sampling in lossy architectures
103	Matteo Fadel and Jordi Tura Brugués	Bounding the set of classical correlations of a many-body system
104	Gorjan Alagic, Tommaso Gagliardoni and Christian Majenz	Unforgeable Quantum Encryption
105	Michal Oszmaniec and Zoltán Zimborás	Universal extensions of restricted classes of quantum operations
106	Christopher Chubb, Marco Tomamichel and Kamil Korzekwa	Beyond the thermodynamic limit: finite-size corrections to state interconversion rates
107	Rafał Demkowicz-Dobrzański, Jan Czajkowski and Pavel Sekatski	Adaptive quantum metrology under general Markovian noise

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108	Nicholas Chancellor, James Morley, Sougato Bose and Viv Kendon	Optimal quantum searching with hybrid adiabatic/quantum walk algorithms
109	Nikolas Breuckmann and Xiaotong Ni	Scalable Neural Network Decoder for Higher Dimensional Quantum Codes
110	Xingyao Wu, Jianxin Chen and Jacob Taylor	A versatile quantum data hiding protocol with enhanced security
111	Ben Criger and Imran Ashraf	Multi-path Summation for Decoding 2D Topological Codes
112	Nicholas Hunter-Jones, Jordan Cotler, Junyu Liu and Beni Yoshida	Chaos, Complexity, and Random Matrices
113	Fang Zhang, Cupjin Huang, Michael Newman, Kevin Sung and Yaoyun Shi	Limitations on testing quantum theory
114	René Schwonnek, Lars Dammeier and Reinhard Werner	State-independent Uncertainty Relations and Entanglement Detection in Noisy Systems
115	Thomas C. Bohdanowicz and Fernando G. S. L. Brandão	Universal Hamiltonians for Exponentially Long Simulation
116	Elizabeth Crosson and John Bowen	Quantum ground state isoperimetric inequalities for the energy spectrum of local Hamiltonians
117	Marco Aldi, Niel De Beaudrap, Sevag Gharibian and Seyran Saeedi	On efficiently solvable cases of Quantum k-SAT
118	Nai-Hui Chia, Sean Hallgren and Fang Song	On Basing One-way Permutations on NP-hard problems under Quantum Reductions
119	Hakop Pashayan, Stephen Bartlett and David Gross	From estimation of quantum probabilities to simulation of quantum circuits
120	Eric Morgan and Fernando Brandao	Topological Entanglement Entropy in Random Tensor Networks
121	Michael Beverland, Aleksander Kubica and Krysta Svore	The cost of universality: a comparative study of the overhead of state distillation and code switching in color codes
122	A.C. Cem Say and Abuzer Yakaryilmaz	Magic coins are useful for small-space quantum machines
123	Andre Nies and Volkher Scholz	Quantum Martin-Loef randomness
124	Dmytro Bondarenko	Tree tensor network approximations to conformal field theories
125	Felix Leditzky, Debbie Leung and Graeme Smith	Quantum and private capacities of low-noise channels
126	Simon Apers, Alain Sarlette and Peter Høyer	Quantum Sampling in Square Root of the Search Time
127	Ryan Mann and Michael Bremner	On the Complexity of Random Quantum Computations and the Jones Polynomial
128	Srinivasan Arunachalam, Andras Gilyen and Nathan Wiebe	Optimizing quantum optimization algorithms via faster quantum gradient computation
129	Fabien Clivaz, Ralph Silva, Géraldine Haack, Jonatan Bohr Brask, Nicolas Brunner and Marcus Huber	Resource control determines fundamental limits of quantum refrigeration
130	André Chailloux, María Naya-Plasencia and André Schrottenloher	An Efficient Quantum Collision Search Algorithm and Implications on Symmetric Cryptography

Poster Session II, Tuesday, January 16		
	Authors	**Title**
131	Sam Pallister, Noah Linden and Ashley Montanaro	Optimal verification of entangled states with local measurements
132	Syed Affan Aslam, Amin Shiraz Gilani and Jibran Rashid	Optimal Communication and Distillation Bounds for Multipartite Nonlocality
133	Yuxiang Yang, Giulio Chiribella and Masahito Hayashi	Quantum Stopwatch: How To Store Time Information in a Quantum Memory
134	Daniel Ranard, Jordan Cotler and Geoffrey Penington	Locality from the spectrum
135	Koen Groenland and Kareljan Schoutens	Many-body strategies for multi-qubit gates: quantum control through Krawtchouk chain dynamics
136	Adam Bouland, Joseph Fitzsimons and Dax Koh	Adam Bouland, Joseph Fitzsimons and Dax Koh
137	Davide Orsucci, Nicolai Friis, Michalis Skotiniotis, Pavel Sekatski, Vedran Dunjko, Hans Briegel and Wolfgang Dür	Flexible resources for quantum metrology
138	Adam Bene Watts, Aram Harrow and Anand Natarajan	Algorithms and lower bounds for entangled XOR games
139	Carlos E. González-Guillén and Joshua Lockhart	Quantum State Isomorphism
140	Angela Karanjai and Stephen Bartlett	Contextuality bounds the minimum classical information required to simulate statistics of a quantum sub-theory
141	Vivien Londe and Anthony Leverrier	Golden codes, regular quantum codes built from regular tessellations of hyperbolic 4-manifolds
142	André Chailloux, Thomas Debris-Alazard, Nicolas Sendrier and Jean-Pierre Tillich	SURF: A new quantum-safe code-based signature scheme with a tight security reduction in the quantum random oracle model
143	Fernando Brandao, Elizabeth Crosson, Burak Sahinoglu and John Bowen	Quantum Error Correcting Codes in Eigenstates of Translation-Invariant Spin Chains
144	André Chailloux, Iordanis Kerenidis and Mathieu Lauriere	The information cost of quantum memoryless protocols
145	Razieh Annabestani and David Cory	Implementing a Noise Protected Logical Qubit in Methyl Groups via Microwave Irradiation
146	Friederike Anna Dziemba	Robustness of QMA against witness noise
147	Zi-Wen Liu, Ryuji Takagi and Seth Lloyd	On diagonal discord
148	Alvaro Martin Alhambra, Lluis Masanes, Jonathan Oppenheim and Chris Perry	Entanglement fluctuation theorems
149	Peter Groszkowski, A. Di Paolo, A. L. Grimsmo, A. Blais, D. I. Schuster, A. A. Houck and Jens Koch	Coherence properties of the zero-pi qubit
150	Jinzhao Wang and Renato Renner	Confidence Region in Quantum State Tomography
151	Mark Steudtner and Stephanie Wehner	Lowering qubit requirements for quantum simulations of fermionic systems
152	Felipe Montealegre-Mora, Huangjun Zhu and David Gross	New no-go theorems regarding phase space negativity and contextuality as resources
153	Samson Abramsky, Rui Soares Barbosa and Shane Mansfield	Contextual fraction as a measure of contextuality
154	Fernando Brandao, Amir Kalev, Tongyang Li, Cedric Lin, Krysta Svore and Xiaodi Wu	Exponential Quantum Speed-ups for Semidefinite Programming with Applications to Quantum Learning
155	Eric Chitambar, Julio I. de Vicente, Mark Girard and Gilad Gour	Entanglement manipulation and distillability beyond LOCC
156	Leonard Wossnig, Zhikuan Zhao and Anupam Prakash	A quantum linear system algorithm for dense matrices

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157	Tamara Kohler and Toby Cubitt	Translationally invariant universal classical Hamiltonians
158	Markus Heinrich and David Gross	Correlated Noise and the Error Correction Threshold
159	Faisal Khan, Travis Humble, Berihu Teklu and Dilara Karakozak	Algorithmic Quantum Games for Quantum Networks
160	Cambyse Rouze and Nilanjana Datta	From displacement convexity of the relative entropy to concentration of states: a quantum roadmap
161	Stefan Huber and Robert Koenig	Coherent state coding approaches the capacity of non-Gaussian bosonic channels
162	Alex E. Moylett and Peter S. Turner	A quantum circuit for distinguishable photon sampling
163	Michael Vasmer and Dan Browne	Universal quantum computing with 3D surface codes
164	Riccardo Laurenza, Samuel Braunstein and Stefano Pirandola	Finite-resource teleportation stretching for continuous-variable systems
165	Cosmo Lupo, Carlo Ottaviani, Panagiotis Papanastasiou and Stefano Pirandola	CV MDI QKD: Composable Security against Coherent Attacks
166	Eyuri Wakakuwa	Operational Resource Theory of Non-Markovianity
167	Eli Bourassa and Hoi-Kwong Lo	Security implications of pre-measurement filters in time-frequency QKD
168	Anne Matsuura, Sonika Johri, Chris Monroe, Norbert Linke, K.A. Landsman and C. Figgatt	Measuring the Renyi entropy of a two-site Fermi-Hubbard model on a trapped ion quantum computer
169	Guang Hao Low and Isaac Chuang	Hamiltonian simulation by uniform spectral amplification
170	James Watson and Toby Cubitt	The Computation Complexity of the Ground State Energy Density Problem
171	Karl Mayer and Emanuel Knill	Quantum process fidelity bounds from a minimal set of input states
172	Xiaoya Cheng and Yun Shang	New bounds of mutually unbiased maximally entangled bases in $\ckd$}
173	Michael Jarret, Stacey Jeffery, Shelby Kimmel and Alvaro Piedrafita	Span Programs, Capacitance and Connectivity
174	Inken Siemon, Alexander Holevo and Reinhard Werner	Unbounded generators of dynamical semigroups
175	Gláucia Murta, Suzanne van Dam, Jérémy Ribeiro, Ronald Hanson and Stephanie Wehner	Challenges for a DIQKD implementation
176	Jacob Bringewatt, Stephen Jordan, William Dorland and Alan Mink	Diffusion Monte Carlo Versus Adiabatic Computation for Local Hamiltonians
177	Alexander Pirker, Julius Wallnöfer and Wolfgang Dür	Modular architectures for secure quantum networks
178	Markus Kesselring, Benjamin James Brown, Fernando Pastawski and Jens Eiserrt	The Boundaries and Topological Defects of the Color Code
179	Thao P. Le	Quantum Darwinism In Regimes Beyond Markovian Dynamics
180	Alexis Schotte, Dominic Williamson and Frank Verstraete	Error correction for the doubled-Fibonacci string-net model
181	Michele Amoretti and Stefano Carretta	Quantum Protocols for Distributed Functional Monitoring
182	Padraic Calpin, Mark Howard, Earl Campbell and Dan Browne	Extending the Stabilizer Rank Method for Quantum Circuit Simulation
183	Filip Rozpedek, Thomas Schiet, Le Phuc Thinh, David Elkouss, Andrew C. Doherty and Stephanie Wehner	Optimizing practical entanglement distillation

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184	Xiaoting Wang and Kurt Jacobs	Indirect phase measurement by coherent quantum control
185	Victoria Lipinska, Le Phuc Thinh and Stephanie Wehner	Certifying quantum network functionalities
186	Donghun Ha, Jihwan Kim and Younghun Kwon	Minimum-Error Discrimination of Partially Symmetric Quantum States
187	Stuart Hadfield, Zhihui Wang, Bryan O'Gorman, Eleanor Rieffel, Davide Venturelli and Rupak Biswas	From the Quantum Approximate Optimization Algorithm to a Quantum Alternating Operator Ansatz
188	James Seddon, Earl Campbell and Mark Howard	Resource-theoretic characterization of non-stabilizer operations
189	Aniruddha Bapat and Stephen Jordan	Bang-Bang Control of Classical and Quantum Optimization Algorithms
190	Benjamin Lovitz and Norbert Lütkenhaus	Families of Quantum Fingerprinting Protocols
191	Brittanney Amento, Markus Grassl, Brandon Langenberg, Yi-Kai Liu, Eddie Schoute and Rainer Steinwandt	Quantum Cryptanalysis of Block Ciphers: A Case Study
192	Carlo Maria Scandolo and Giulio Chiribella	Microcanonical thermodynamics in general physical theories
193	Ernest Y.-Z. Tan, Volkher B. Scholz and Renato Renner	Numerical approach towards device-independent bounds on von Neumann entropy
194	Muyuan Li and Ken Brown	Comparison of the 13 Qubit Bacon-Shor Code and the 17 Qubit Surface Code
195	Thomas Cope, Kenneth Goodenough and Stefano Pirandola	Properties of Generalised Werner-Holevo Channels
196	Ilan Tzitrin and Hoi-Kwong Lo	Characterizing locally equivalent all-photonic repeater graph states
197	Joschka Roffe, David Headley, Nicholas Chancellor, Dominic Horsman and Viv Kendon	Protecting quantum memories using coherent parity check codes
198	Francesco Arzani, Nicolas Treps and Giulia Ferrini	Polynomial approximation of non-Gaussian unitaries by counting one photon at a time
199	Felix Motzoi, Tobias Chasseur, Michael Kaicher, Pierre-Luc Dallaire-Demers and Frank Wilhelm	Benchmarking non-simulable quantum processes via symmetry conservation
200	Zahra Raissi, Christian Gogolin, Arnau Riera and Antonio Acin	Constructing optimal quantum error correcting codes from absolute maximally entangled states
201	Nikolay Nahimov, Raqueline A. M. Santos and Kamil Khadiev	On the probability of finding marked connected subset using quantum walks
202	Michiel Burgelman, Alain Sarlette and Simon Apers	Robust Dynamical Control of Dissipation on Quantum Systems
203	Siddhardh Morampudi and Chris Laumann	Classical reduction of a hard quantum problem at large-N
204	Wojciech Słomczyński and Anna Szczepanek	Quantum Dynamical Entropy, Chaotic Unitaries and Complex Hadamard Matrices
205	Abdulah Fawaz and Sougato Bose	Machine Learning-Aided Quantum Gate Design using Always-On Interactions
206	Connor Paul-Paddock and Jianxin Chen	A Characterization of Antidegradable Qubit Channels
207	Troy Sewell and Stephen Jordan	Semidefinite Programming for Quantum Field Theories
208	Daniel Kyungdeock Park and Tomas Jochym-O'Connor	Mixed state assisted quantum error correction
209	Maryam Sadat Mirkamali and David Cory	Entanglement of two non-interacting qubits via a mesoscopic system
210	Lucas Kocia and Peter Love	Measurement Contextuality and Planck's Constant

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211	Arkin Tikku and Fernando Pastawski	Code Synthesis from Stabilizer Tensor Networks
212	Raqueline Santos and Franklin Marquezino	Decoherence on Staggered Quantum Walks
213	Michael Cao and Pascal Vontobel	Double-Edge Factor Graphs and their Applications in Quantum Information Processing
214	Raban Iten, Lídia Del Rio and Renato Renner	Closing loopholes in no-go theorems
215	Yuchun Wu	Characterizing Nonlocal Correlations via Universal Uncertainty Relations
216	Yongsoo Hwang and Byung-Soo Choi	Logical system mapping and static performance estimation of large size quantum algorithm
217	Jin-Long Huang, Wen-Cong Gan, Yunlong Xiao, Fu-Wen Shu and Man-Hong Yung	Generalized Entropic Uncertainty Relation of Dirac Field in Schwarzschild Spacetime
218	Swati Kumari and Alok Kumar Pan	Inequivalent Leggett-Garg Inequalities
219	Adam Callison, Vivien Kendon, Florian Mintert, Caleb Arthurs, Patrick Scruby and Nicholas Chancellor	Finding spin-glass ground states using quantum walks
220	Paul Brookes, Giovanna Tancredi and Eran Ginossar	Bistability for readout in circuit-QED
221	Inu Jeon and Hyunseok Jeong	Arbitrarily loss tolerant verification of quantum refereed steering game
222	Anna Pappa, Marco Clementi, Andreas Eckstein, Ian Walmsley, Elham Kashefi and Stephanie Barz	Classical multiparty computation using quantum resources
223	Stasja Stanisic and Peter Turner	Discriminating distinguishability
224	Nikolaos Kollas and Charis Anastopoulos	Resource theory of projective quantum measurements constrained by physical symmetries.
225	Daniel Stilck França and Andreas Bluhm	Dimensionality reduction of SDPs through sketching
226	René Schwonnek	Additivity of Entropic Uncertainty
227	Anirudh Reddy, Kumar Shivam, Joseph Samuel and Supurna Sinha	Entropy and Geometry of Quantum States
228	Adam Glos, Aleksandra Krawiec, Ryszard Kukulski and Zbigniew Puchała	Vertices cannot be hidden from quantum spatial search for almost all random graphs
229	Łukasz Pawela, Zbigniew Puchała, Aleksandra Krawiec, Ryszard Kukulski and Karol Horodecki	Quantum measurement distance
230	Kumar Shivam, Supurna Sinha and Joseph Samuel	Geometry of entanglement : A space-time point of view
231	John Cortese and Timothy Braje	Loading classical data into a quantum computer
232	Anna-Lena Hashagen and Michael M. Wolf	UNIVERSALITY AND OPTIMALITY IN THE INFORMATION-DISTURBANCE TRADEOFF
233	Chris Sparrow, Patrick Birchall, Anthony Laing and Hugo Cable	Linear Optical Quantum Computing with Partially-Distinguishable Photons
234	Mariami Gachechiladze, Martin Hebenstreit, Otfried Gühne and Barbara Kraus	The entanglement hierarchy of 2 x m x n systems
235	Kamil Khadiev, Ilnaz Mannapov and Mansur Ziatdinov	Quantum Online Algorithms with Advice Bits and Restricted Memory
236	Naïri Usher, Matty Hoban and Dan Browne	Non-Unitary Quantum Computation in the Ground Space of Local Hamiltonians
237	Konstantinos Meichanetzidis, Christopher Turner, Ashk Farjami, Zlatko Papic and Jiannis Pachos	Optimal free descriptions of many-body states

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238	Alex Monràs, Gael Sentís and Peter Wittek	Inductive supervised quantum learning
239	Atsushi Shimbo, Soeda Akihito and Mio Murao	Higher-order quantum computation for equivalence determination of unitary operations
240	John Napp	Do gradient measurements improve variational quantum algorithms?
241	Antonio Russo, Edwin Barnes and Sophia Economou	Photonic graph states from emitters for quantum communication
242	Varun Kanade, Andrea Rocchetto and Simone Severini	Learning DNFs under product distributions via μ-biased quantum Fourier sampling
243	Taewan Kim, Yongsoo Hwang, Chungheon Baek and Byung-Soo Choi	Current research on quantum compiler and quantum virtual machine at ETRI
244	Yi-Chen Zhang, Zhengyu Li, Song Yu and Hong Guo	Optimal two-mode attack against two-way continuous-variable quantum key distribution
245	Stefan Baeuml, Andreas Winter and Dong Yang	Every entangled state provides an advantage in classical communication
246	Amir Kalev, Carl Miller and Aaron Ostrander	Rigidity for binary constraint games on graphs
247	Andrew Glaudell, Neil Ross and Jacob Taylor	Exact synthesis of (almost certainly) T-optimal single-qutrit Clifford+T normal forms
248	Cornelia Spee, Jannik Hoffmann, Costantino Budroni and Otfried Gühne	Structure of the temporal correlations of a qubit
249	Nikolai Wyderka, Felix Huber and Otfried Gühne	Constraints on correlations in multi-qubit systems
250	Joshua Lockhart, Otfried Gühne and Simone Severini	Entanglement properties of quantum grid states
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