

Contributed talk (25+5 min)	Submission Number	Authors	Title
Talk 1	1	Daniel Miller, Kyano Levi, Lukas Postler, Alex Steiner, Lennart Bittel, Gregory Al White, Yifan Tang, Eric J Kuehnke, Antonio A Mele, Sumeet Khatri, Lorenzo Leone, Jose Carrasco, Christian D Marciniak, Ivan Pogorelov, Milena Guevara-Bertsch, Robert Freund, Rainer Blatt, Philipp Schindler, Thomas Monz, Martin Ringbauer and Jens	Experimental measurement and a physical interpretation of quantum shadow enumerators
Talks 2 (MERGED)	7	Dripto Debroy, Matt McEwen, Craig Gidney, Noah Shutty and Adam Zalcman	LUCI in the Surface Code with Defects
	105	Catherine Leroux, Sophia F. Lin, Przemyslaw Bienias, Krishanu R. Sankar, Asmae Benhemou, Aleksander Kubica and Joseph K. Iverson	Snakes and Ladders: Adapting the surface code to defects
Talk 3	18	Benjamin Brock, Shraddha Singh, Alec Eickbusch, Volodymyr Sivak, Andy Ding, Luigi Frunzio, Steven Girvin and Michel Devoret	Quantum error correction of qudits beyond break-even
Talk 4	30	Margarita Davydova, Andreas Bauer, Julio Magdalena de la Fuente, Mark Webster, Dominic Williamson and Benjamin Brown	Universal fault tolerant quantum computation in 2D without getting tied in knots
Talk 5	44	Alexis Morvan, Alec Eickbusch and Matt McEwen	Implementing the surface code using time-dynamic circuits
Talk 6 (MERGED)	50	Adam Wills, Min-Hsiu Hsieh and Hayata Yamasaki	Constant-Overhead Magic State Distillation
	125	Louis Golowich and Venkatesan Guruswami	Asymptotically Good Quantum Codes with Transversal Non-Clifford Gates
Talk 7	51	Guoding Liu, Zhenyu Du, Zi-Wen Liu and Xiong-feng Ma	Approximate Quantum Error Correction with 1D Log-Depth Circuits
Talk 8	56	Mackenzie Shaw and Barbara Terhal	Lowering Connectivity Requirements For Bivariate Bicycle Codes Using Morphing Circuits, and More
Talk 9	73	M. Sohaib Alam, Jiajun Chen, Thomas R. Scruby and Eleanor Rieffel	Bacon-Shor Code Revisited
Talk 10	94	Takaya Matsuura, Nicolas Menicucci and Hayata Yamasaki	Continuous-Variable Fault-Tolerant Quantum Computation under General Noise
Talk 11	100	Yijia Xu, Yixu Wang, Christophe Vuillot and Victor Albert	Letting the tiger out of its cage: bosonic coding without concatenation
Talk 12 (MERGED)	107	Quynh Nguyen and Christopher Pattison	Quantum fault tolerance with constant-space and logarithmic-time overheads
	148	Shiro Tamiya, Masato Koashi and Hayata Yamasaki	Polylog-time- and constant-space-overhead fault-tolerant quantum computation with quantum low-density parity-check codes
Talk 13	109	Michael Newman	Quantum error correction below the surface code threshold
Talk 14	110	Michael Newman and Craig Gidney	Yoked surface codes
Talk 15	131	Ivan Pogorelov, Friederike Butt, Lukas Postler, Christian Marciniak, Philipp Schindler, Markus Müller and Thomas Monz	Experimental fault-tolerant code switching
Talk 16	149	Ciaran Ryan-Anderson, Natalie Brown, Charlie Baldwin, Joan Drelling, Cameron Foltz, John Garbler, Thomas Gatterman, Nathan Hewitt, Craig Holliman, Chandler Horst, Jacob Johansen, Dominic Lucchetti, Tanner Mengle, Mitchel Matheny, Yohei Matsuoka, Karl Mayer, Michael Mills, Steven Moses, Brian Neyenhuis, Juan Pino, Peter Siegfried, Russel Stutz, James Walker and	High-fidelity Teleportation of a Logical Qubit using Transversal Gates and Lattice Surgery
Talk 17	157	Vladislav Kurilovich, Gabrielle Roberts, Alex Opremcak, Alec Eickbusch, Matt McEwen, Andreas Bengtsson, Paul Klimov, Matthew Neeley, Kevin Miao, Lara Faoro, Lev Ioffe, Igor Aleiner, Yu Chen and Kevin Satzinger	Correlated Error Bursts in a Gap-Engineered Superconducting Qubit Array
Talk 18	158	Adam Paetznick, Ben Reichardt and David Aasen	Logical computation demonstrated with a neutral atom quantum processor
Talk 19	169	Benedikt Placke, Tibor Rakovszky, Nikolas Breuckmann and Védika Khemani	Topological Quantum Spin Glass Order and its realization in qLDPC codes
Talk 20	180	Alexander Cowntan, Zhiyang He, Dominic Williamson and Theodore Yoder	Parallel Logical Measurements via Quantum Code Surgery
Talk 21	183	Zhiyang He, Vinod Vaikuntanathan, Adam Wills and Rachel Yun Zhang	Quantum Codes with Addressable and Transversal Non-Clifford Gates
Talk 22	188	Kevin Chou, James Teoh, Nitish Mehta, Taewan Noh, Quantum Circuits Team and Robert Schoelkopf	Demonstrating error-corrected erasure qubits with superconducting dual-rail cavities
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Talk 24	191	Louis Golowich and Venkatesan Guruswami	Quantum Locally Recoverable Codes
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Talk 26	205	Arthur Pesah, Austin Daniel, Ilan Tzitrin and Michael Vasmer	Fault-tolerant transformations of spacetime codes
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Talk 28	238	Zhiyang He, Quynh Nguyen and Christopher Pattison	Composable Quantum Fault-Tolerance
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Talk 30	253	James Mills, Adithya Sireesh, Dominik Leichte, Joschka Roffe and Elham Kashefi.	Efficient certification for early fault-tolerant quantum devices