Poster ID	Submission #	Authors	Title	Eligibility of Best Student Poster Award
	Room LG.07			
1	1	Andrey Zhukov, Walter Pogosov and Andrey Lebedev	Grover’s Search and Ising Models: A Quantum Algorithm for Low-Energy States	
2	4	Yan Wang and Kai Sun	Observing tight triple uncertainty relations in two-qubit systems	✓
3	5	Donghoon Ha and Jeong San Kim	Quantum data-hiding scheme using orthogonal separable states	
4	18	Nicky Kai Hong Li, Marcus Huber and Nicolai Friis	High-dimensional entanglement witnessed by correlations in arbitrary bases	✓
5	19	Hiroo Azuma, William J. Munro and Kae Nemoto	A heralded single-photon source based on a superposition of oppositely squeezed states	
6	21	Jue Xu, Chu Zhao, Junyu Fan and Qi Zhao	Exponentially Decaying Quantum Simulation Error with Noisy Devices	✓
7	22	Ge Bai, Francesco Buscemi and Valerio Scarani	Quantum Bayes’ rule and Petz transpose map from the minimum change principle	
8	26	Changhao Yi, Leeseok Kim and Milad Marvian	Faster Randomized Dynamical Decoupling	
9	31	Chaowei Yang	Quantum Network and Quantum Reapeter of Rydberg Plafrom	
10	34	Jaewon Lee, Changsuk Noh, Kabgyun Jeong and Hyunchul Nha	Quantum entanglement and extractable work for Gaussian states	
11	35	Mingxuan Liu, Kiarn Laverick, Valerio Scarani and Alexia Auffeves	A Retrodictive Approach to Quantum State Smoothing	
12	47	Dinesh Kumar Panda and Colin Benjamin	Quantum cryptographic protocols enabling dual-messaging via 2D alternate quantum walk of a single-photon and generated genuine 3-way entanglement	✓
13	48	Tianfeng Feng, Jue Xu, Wenjun Yu, Zekun Ye, Penghui Yao and Qi Zhao	Distributed Quantum Simulation	
14	57	Chengkai Zhu, Renfeng Peng, Bin Gao and Xin Wang	Riemannian Optimization for Classical Communication over Quantum Channels	
15	58	Changnan Peng, Jin-Peng Liu, Gia-Wei Chern and Di Luo	Provably Efficient Adiabatic Learning for Quantum-Classical Dynamics	✓
16	62	Rafał Bistroń and Jakub Czartowski	Local Thermal Operations and Classical Communication	
17	63	Tongyin Lin, Shuqi Ye, Yujin Song, Jin-Yuan Yang, Jiapei Zhuang and Man-Hong Yung	Hybrid Framework for Solving Large-Scale MaxCut Problems on Fewer Qubits	✓
18	65	Liang Xiong and Nung-Sing Sze	Characterizing High Schmidt Number Witnesses in Arbitrary Dimensions System	✓
	Room LG.08			
19	66	Saurabh Uday Shringarpure, Yong Siah Teo, Sung-Joo Cho and Hyunseok Jeong	Bosonic error mitigation and suppression with linear optics	

20	68	Manish Chaudhary, Zhiyuan Lin, Valentin Ivannikov and Tim Byrnes	Macroscopic quantum teleportation with ensembles of qubits	✓
21	69	Kelvin Onggadinata and Teck Seng Koh	Efficient measure of information backflow with quasi-stochastic process	
22	72	Chen-Xun Weng, Minglong Qin, Yanglin Hu and Marco Tomamichel	A tight consecutive measurement theorem and its applications	✓
23	76	Yong Siah Teo	Optimized numerical methods for variational quantum algorithms	
24	78	Chenghong Zhu, Chengkai Zhu, Zhiping Liu and Xin Wang	Entanglement cost of discriminating quantum states under locality constraints	
25	88	Guedong Park, Jinzhao Sun and Hyunseok Jeong	Efficient tailoring and detection of noisy hypergraph states using Clifford circuits	✓
26	94	Zhong-Xia Shang and Qi Zhao	Entanglement-induced exponential advantage in amplitude estimation via state matrixization	
27	98	Qiushi Liu and Yuxiang Yang	Heisenberg-Limited Quantum Metrology without Ancilla	✓
28	99	Rong Wang and Chau H. F.	One-Shot Min-Entropy Calculation Of Classical-Quantum States And Its Application To Quantum Cryptography	
29	100	Xiaoyang Wang, Yuexin Su and Tongyang Li	Performance guarantees of light-cone variational quantum algorithms for the maximum cut problem	
30	104	Kun Fang, Hamza Fawzi and Omar Fawzi	Variational expressions and Uhlmann theorem for measured divergences	
31	106	Jérôme Denis, Colin Read and John Martin	Generation of anticoherent states from a pulse-based protocol	✓
32	107	Xiajie Huang, Nikita Guseynov and Nana Liu	Quantum Advantage for Linear PDEs: Oracle-Free Framework Supporting Diverse Numerical Schemes and Boundaries	✓
33	108	Hongshun Yao and Xin Wang	Conclusive exclusion of quantum states with group action	✓
34	113	Miao Hu and Ion Nechita	Combinatorics for random tensor networks	✓
35	114	Yi-Hsin Lin, Scott Smart and Prineha Narang	Signed Designs for Learning Quantum State Properties with Applications	
36	116	Gongchu Li, Geng Chen and Chuanfeng Li	Measurement-Induced Magic Resources	
	Room LG.09			
37	121	Yu Xiang	Testing non-Gaussian entanglement and its applications	
38	125	Xingjian Zhang, Giulio Chiribella, Cheng-Long Li, Qiang Zhang and Jian-Wei Pan	Device-Independent Causal Inference with Testable Assumptions	
39	130	James Moran, Spiros Kechrimparis and Hyukjoon Kwon	Near-optimal coherent state discrimination via continuously labelled non-Gaussian measurements	
40	132	Keming He, Chengkai Zhu, Hongshun Yao, Jinguo Liu and Xin Wang	No-Go Theorems for Universal Quantum State Purification via Classically Simulable Operations	✓
41	133	Joshua Carlo Casapao, Ananda Gopal Maity, Naphan Benchasattabuse, Michal Hajdusek, Akihito Soeda, Rodney Van Meter and David Elkouss	Disti-Mators: entanglement distillation-based state estimators	✓
42	135	Hollis Williams and Holger Hofmann	Information gain and superpositions of unitaries	

43	136	Spiros Kechrimparis, James Moran and Hyukjoon Kwon	Probabilistic Channel Distillation via Indefinite Causal Order	
44	139	Maxime Meyer, Soumik Adhikary, Naixu Guo and Patrick Rebentrost	Online Learning of Pure States is as Hard as Mixed States	✓
45	140	Arijit Das and Masaki Owari	Zero-Noise Extrapolation with Indirect-Control System	
46	141	Baptiste Chevalier, Wojciech Roga and Masahiro Takeoka	Ising optimization via quantum compressive sensing	✓
47	143	Guoding Liu, Junjie Chen and Xiongfeng Ma	Power and limitation of adaptive circuits in state preparation	✓
48	147	Eduardo Serrano Ensástiga, Colin Read and John Martin	Platonic dynamical decoupling sequences for interacting spin systems	
49	150	Spiros Kechrimparis, James Moran, Athena Karsa, Changhyoup Lee and Hyukjoon Kwon	Enhancing Quantum State Discrimination with Indefinite Causal Order	
50	154	Libo Jiang, Daniel Terno and Oscar Dahlsten	Unification of energy concepts in generalised phase space theories	✓
51	155	Zujin Wen, Jin-Long Huang and Oscar Dahlsten	Training via quantum superposition circumventing local minima and vanishing gradient of sinusoidal neural network	✓
52	164	V Vijendran, Dax Enshan Koh, Eunok Bae, Hyukjoon Kwon, Ping Koy Lam and Syed Assad	Near-Optimal Parameter Tuning of Level-1 QAOA for Ising Models	✓
53	165	Yusen Wu, Yukun Zhang and Xiao Yuan	An Efficient Classical Algorithm for Simulating Short Time 2D Quantum Dynamics	
54	167	Yukun Zhang, Yusen Wu and Xiao Yuan	A Dequantized Algorithm for the Guided Local Hamiltonian Problem	✓
	Room LG. 10			
55	171	Michael Xuan Cao, Yongsheng Yao and Mario Berta	Channel coding against Quantum Jammers via Minimax	
56	172	Mario Berta, Michael Xuan Cao, Hao-Chung Cheng, Omar Fawzi, Aadil Oufkir and Yongsheng Yao	Channel Simulation: Tight meta converse for error and strong converse exponents	
57	175	Xian Wu, Chenghong Zhu, Jingbo Wang and Xin Wang	Accelerating Trapped-Ion Quantum Computing via Software Optimization	
58	177	Mingze Wu and Yichen Zhang	Phase-locking-free discrete-modulated continuous-variable quantum key distribution	✓
59	183	Yin Mo, Tengxiang Lin and Xin Wang	Efficient Inversion of Unknown Unitary Operations with Structured Hamiltonians	
60	184	Guanzhong Li, Lvzhou Li and Jingquan Luo	Quantum phase discrimination with applications to quantum search on graphs	
61	186	Yiwen Wu, Zihao Li and Huangjun Zhu	Efficient certification of high-dimensional entanglement	✓
62	157	Shigeyoshi Aoyama	Quantum few-body system computation with a quantum machine learning approach	
63	2	Jing Yang	Precision Limits in Many-body Quantum Sensing	
64	418	Zizhao Han and Zhenhuan Liu	Detecting Non-Markovianity with Generalized Correlators in Time	
65	419	Keisuke Goto, Shion Kitamura, Tiancheng Wang, Asuka Ohashi and Tsuyoshi Sasaki Usuda	Toward fast and accurate computation of von Neumann entropy for large-scale ASK coherent-state signals	✓

66	420	Kishimoto Ryuta, Mizuta Kaoru and Koashi Masato	Error estimation of quantum eigenvalue transformation with Trotterization	✓
67	421	Hidetoshi Demise, Tiancheng Wang, Shogo Usami, Souichi Takahira and Tsuyoshi Sasaki Usuda	On optimal single-mode and entangled states in BPSK-type asymmetric quantum communication	✓
68	422	Yong-Nan Sun, Meng-Yun Ma and Chao-Jie Sun	Experimental robust certification of the maximally entangled state via nonprojective measurements	
69	111	Daniil Rabinovich, Georgii Paradezhenko, Luis Ernesto Campos Espinoza and Kirill Lakhmanskiy	Controllable trainability of variational ion native ansatz	
70	187	Andrey Kardashin, Yerassyl Balkybek, Vladimir Palyulin and Konstantin Antipin	Predicting properties of quantum states by regression	