

L 分会场：量子信息（中英联合专场）

分会召集人：陈宇翱 徐飞虎 Tim Smith
 分会工作委员会成员：张强 贾晓军 张利剑 盛宇波
 分会联系人：宋杰 (15114582657)
 分会场地：哈尔滨工程大学逸夫馆 04 教室
 Online talks Zoom Meeting: ID: 893 5608 4274 Passcode: 560722

邀请报告

2025 年 9 月 13 日（周六）上午			
Session 1 Chair: Qiang Zhang, (University of Science and Technology of China)			
L001	08:30-09:00	Wei-Ping Zhang, (Shanghai Jiao Tong University) (邀请报告)	Quantum-Enhanced Metrology with Atom-Light Coherent and Correlated Manipulation
L002	09:00-09:30	Xue-Hua Wang, (Sun Yat-sen University) (邀请报告)	Artificial Room-Temperature Quantum States
L003	9:30-10:00	He-Ping Zeng, (East China Normal University) (邀请报告)	Mid-Infrared Single-Photon Multidimensional Imaging
10:00-10:30 Tea break			
Session 2 Chair: Wei-Ping Zhang, (Shanghai Jiao Tong University)			
L004	10:30-11:00	La-Bao Zhang, (Nanjing University)(邀请报告)	High-Speed Superconducting Single-Photon Detectors with Large Detection Area and Their Applications
L005	11:00-11:30	Xiao-Long Su, (Shanxi University) (邀请报告)	Continuous-Variable Entanglement-Assisted Quantum Communication
L006	11:30-12:00	Li-Jian Zhang, (Nanjing University) (邀请报告)	Achieving the Multi-Parameter Quantum Cramér-Rao Bound with Antiunitary Symmetry and Classical Correlations
12:00-14:00 Lunch			
2025 年 9 月 13 日（周六）下午			
Session 3 Chair: Xiao Yuan, (Peking University)			
L007	14:00-14:30	Jevon Longdell, (University of Otago) (Online) (邀请报告)	Long optical coherence times and coherent rare earth-magnon coupling in a rare earth doped anti-ferromagnet
L008	14:30-15:00	Fabio Sciarrino, (University of Rome) (Online) (邀请报告)	Quantum machine learning with hybrid photonics platform
15:00-15:30 Tea break			
Session 4 Chair: Ye Wang, (University of Science and Technology of China)			
L009	15:30-16:00	David DiVincenzo, (RWTH Aachen) (Online) (邀请报告)	Quantum cryptography with ultra-short microwave pulses
L010	16:00-16:30	Eleni Diamanti, (Sorbonne Universite) (Online) (邀请报告)	Quantum networking resources and applications
L011	16:30-17:00	Luca Sapienza, (University of Cambridge) (Online) (邀请报告)	Quantum light control at the nanoscale with integrated photonic devices
L012	17:00-17:30	James Millen, (King's College London) (Online) (邀请报告)	The rotational physics of nanoparticles levitated in vacuum
Dinner			

2025 年 9 月 14 日 (周日) 上午			
Session 1 Chair: Ming Gong, (University of Science and Technology of China)			
L013	08:30-09:00	Zhang-Hai Chen, (Xiamen University) (邀请报告)	Nanophotonics of Microcavity Exciton-Polaritons for Quantum Information Applications
L014	09:00-09:30	Shi-Hai Sun, (Sun Yat-sen University)(邀请报告)	The Development of Reference-Frame-Independent QKD
L015	09:30-10:00	Ye Wang, (University of Science and Technology of China)(邀请报告)	High-Fidelity Entanglement between Two Trapped Ions over a metropolitan-scale Fiber
10:00-10:30 Tea break			
Session 2 Chair: Shi-Hai Sun (Sun Yat-sen University)			
L016	10:30-11:00	Qi Zhao, (University of Hong Kong) (邀请报告)	Quantum-Entanglement-Accelerated Quantum Simulation
L017	11:00-11:30	Ming Gong, (University of Science and Technology of China) (邀请报告)	Progress in Superconducting Quantum Computing
L018	11:30-12:00	Xiao Yuan, (Peking University) (邀请报告)	Quantum Computing and Quantum Advantage
L019	12:00-12:30	Lei Xiao, (Southeast University) (邀请报告)	Non-Hermitian-Enhanced Quantum Sensing
12:30-14:00 Lunch			
Dinner			

张贴海报

编号	姓名及单位	题目
L-P001-3096	周 许, (重庆邮电大学)	单量子比特退相干噪声通道中的可调非马尔可夫性与量子相干性
L-P002-2682	孙正之, (Tsinghua University)	可编程超导量子芯片上模拟非阿贝尔任意子编织
L-P003-2501	董 曜, (北京航空航天大学)	带有嵌入式自旋三态的杂化光力系统中的非常规光子阻塞
L-P004-2452	卢文龙, (中国科学技术大学)	基于 Si/SiGe 量子点阵列的二维费米 - 哈伯德模型量子模拟
L-P005-2361	江 越, (南京大学)	A multichannel metasurface for multiprotocol quantum key distributions
L-P006-2284	姜皓天, (中国科学技术大学)	平面锗异质结中的多量子点调控
L-P007-2276	张泽洲, (兰州大学)	强耦合增强的低温量子计量学
L-P008-2106	郭泽贤, (浙江大学)	噪声环境中量子多体疤痕态的刘维尔谱相变
L-P009-1802	马乐乐, (北京航空航天大学)	基于光偏振自补偿的自旋极化梯度抑制
L-P010-1623	黎煌彬, (北京航空航天大学)	含噪环境中纠缠的几何度量的演化方程
L-P011-1617	赵华伟, (北京航空航天大学)	通过非互易增强多量子电池系统的充电性能
L-P012-1328	周昊杰, (四川大学)	基于浅层硼空位色心探测和调控氮化硼表面电场噪声
L-P013-1140	龚 明, (中国科学技术大学)	Hidden Self Duality and Exact Mobility Edges in Quasiperiodic Network
L-P014-822	刘志威, (中国科学技术大学)	光操控电流实现选择性自旋比特相干操控
L-P015-631	范 波, (上海交通大学)	多体量子系统的纠缠熵在单次测量后如何变化
L-P016-503	王卓航, (苏州大学)	利用量子变分算法对 AKLT 模型能隙的研究
L-P017-437	郭 钰, (中国科学技术大学)	基于纠缠辅助的量子因果不等式的实验违背
L-P018-405	常清芸, (中北大学)	基于不平衡调制的连续变量测量设备无关 量子密钥分发协议安全性能研究
L-P019-386	闫茂玉, (北京计算科学研究中心)	有噪声情况下频率估计的贝叶斯边界基准测试
L-P020-369	赵文龙, (苏州大学)	利用变分子量子紧缩算法与 Bethe Ansatz 求解近可积模型