Poster List

1. **Transport Dynamics in Semiconductor Nanowire Junctions Governed by Non-Sinusoidal Current-Phase Relation and Nonlinear Dissipation**

Chuanchang Zeng

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2. **Microwave Spectroscopy of Andreev Bound States in an InAs nanowire**

Csaba Horváth

Department of Physics, Institute of Physics, Budapest University of Technology and Economics, Hungary

3. **Atomically Flat Al/Ge Heterostructures and Their Interface Lattice Structures**

Ding-Ming Huang

Beijing Academy of Quantum Information Sciences, China

4. **Topological Transition and Edge-Mode Superconductivity in Electric-Field-Tuned InSb Nanosheet Josephson Junctions**

Fangqi Cai

Beijing Academy of Quantum Information Sciences, China

5. **Anomalous High-Order Fractional Shapiro Steps in an Al/InAs Nanowire Josephson Junction**

Haitian Su

Beijing Academy of Quantum Information Sciences, China

6. **Gate-Tunable Supercurrent in Planar Josephson Junctions Made from an Epitaxially grown Ge Quantum Well-Al Heterostructure**

Han Gao

Beijing Academy of Quantum Information Sciences, China

7. **Multi-Qubit Gates Over an Inhomogeneous Array of Quantum Dots**

J. Qi

Beijing Academy of Quantum Information Sciences, China

8. **Controlled Growth of High Mobility Planar Ge Nanowires for Semiconductor Quantum Computing**

Jian-Huan Wang

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9. **Dislocation- and Crosshatch-Free High-Mobility Silicon Two-Dimensional Electron Gases**

Jie-Yin Zhang

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10. Inductively Protected Andreev Spin Qubit (IPA)

J.L. del Olmo N
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11. Low charge noise quantum dots in Ge/SiGe heterostructures

Junhang Liu
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12. Observation of multi-channel transport assisted by excited energy level in a closed InAs-Al hybrid island Coulomb blockade regime

Junze Zhang
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13. Theory of superconducting proximity effect in hole-based hybrid semiconductor-superconductor devices

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14. Survival and Detection of Symmetry-Protected Topology in Loop Quenches

Miklos Horvath
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15. Optimal Control for Open Quantum Systems in Circuit Quantum

Mo Zhou
Shanghai University, China

16. Green Function Invariants for Floquet Topological Superconductivity Induced by Proximity Effects

Mohamed Assili
Beijing Academy of Quantum Information Sciences, China

17. Zero-field vortex-Majorana composite excitations pinned by magnetic islands

Panagiotis Kotetes
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18. Quantum Computing with Topological Andreev Zero Modes

Thomas Lane
Beijing Academy of Quantum Information Sciences, China

19. Quantum-dot-based Kitaev chains with only local superconducting proximity

effect

W. Samuelson, J. D
Lund University, Sweden

20. Semiconductor Spin-Qubit Arrays for Axion Dark Matter and Weak-Field Detection

Xiangjun Tan
Department of Physics and Astronomy, University College London, United Kingdom

21. Microwave Response of the Superconducting Diode Effect in Proximitized Bilayer Graphene Interferometers

Shili Yan
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22. One-dimensional quantum dot array integrated with charge sensors in a semiconductor nanowire

Yi Luo
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23. A micrscopic description of singlet–triplet hole qubits in double dots

Yongtao Li
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24. Broad nonlocal spectrum in the Pb-InSb hybrid three terminals for potential realization of Kitaev chains

YuXiao Song
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25. Chiral quantum acoustics with semiconductor hole spin qubits

Zhanning Wang
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26. Enhancement of charge stability in Ge quantum devices through interface treatment

Zhengqing Wei
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27. Majorana-Based Parity Qubit Processor in Hybrid Quantum Dot Arrays

Zhi-Hai Liu
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