

Advancing Quantum Sensing through the Development of an Integrated Stack Utilizing Superconducting Devices

Tuesday, 16 January 2024 16:30 (15 minutes)

To advance quantum sensing we develop an integrated stack for microwave single-photon detection. Utilizing superconducting qubits, parametric amplifiers, and RFSoc-based quantum electronics, we aim to exceed current standards. Preliminary results and ongoing developments are presented.

https://drive.google.com/open?id=1WWIHv8Q-7nFhLZrkQK-40N2pchP_GSuP

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