

Characterization and Mitigation of Decoherence Sources in Superconducting Qubits

Monday, August 19, 2024 12:00 PM (10 minutes)

Mitigating the impact of ionizing radiation is critical for realizing fault-tolerant superconducting quantum computers and quantum sensors for low-mass particle search. I present a new experiment at SNOLAB's CUTE facility that will primarily study the impact of ionizing radiation on superconducting qubits coherence, in addition to other initiatives to mitigate decoherence sources.

What area of study best describes your talk?

Physics

If you answered 'Other', please provide the study area.

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Session Classification: Presentations