Low Radioactivity Techniques (LRT2024)



Contribution ID: 45 Type: Talk

Impact of Radioactivity on Quantum Circuits: European Laboratories

Tuesday, 1 October 2024 18:10 (25 minutes)

In recent years, European laboratories have provided numerous insights into the effects of radioactivity on quantum circuits. Superconducting resonators, fluxonium qubits, and transmon qubits have been operated in deep underground facilities and exposed to radioactive sources. In this contribution, I will discuss the results and future perspectives.

Primary author: CARDANI, Laura (INFN - Roma)

Presenter: CARDANI, Laura (INFN - Roma)

Session Classification: Radiation Impact on Quantum Systems