

# Superconducting quantum bits at underground facilities

*Tuesday, May 11, 2021 11:00 AM (20 minutes)*

Superconducting circuits are emerging among the leading technologies to develop quantum processors. There are increasing evidences that a low-radioactivity environment could largely benefit next-generation quantum bits both in terms of coherence time and quantum error correction protocols. In this talk I will review the status and perspectives of the studies relating radioactivity to quantum bits.

**Presenter:** CARDANI, Laura (INFN - National Institute for Nuclear Physics)

**Session Classification:** Converging Scientific Programs