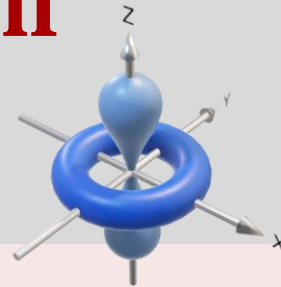




Department of Physics Colloquium

April 29, 2024



3:00 PM

Superconducting quantum computer: past, present and future.

Lara Faoro

Google Quantum AI, Santa Barbara

After a brief introduction to quantum computing and quantum error correction, I will summarize the advantages and disadvantages of the most promising platforms: neutral atoms and superconducting qubits.

In the second part of the talk, I will focus on the advances and challenges of the superconducting quantum platform, in particular on the intrinsic sources of errors and performances.

This colloquium will be held in-person, in SERC 116