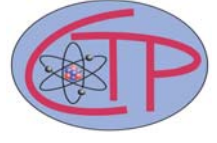




NEW YORK CITY COLLEGE OF TECHNOLOGY
Physics Department
Center for Theoretical Physics



Quantum Control of Superconducting Circuits

Presented by:

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Thursday, November 13 at 12:00 PM
Namm, Room 823

Abstract

We develop an efficient scheme that allows for arbitrary operations on a cavity mode using a strongly dispersive qubit-cavity interaction and time-dependent drives. The scheme can readily be implemented using circuit QED systems. Moreover, the scheme can be extended for quantum error correction to protect information encoded in photonic cat states.

Light refreshments will be served.