

Towards broadband quantum-limited superconducting parametric amplifiers for qubit read-out

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Ultra low-noise and broadband amplification is an essential ingredient to read out superconducting qubits. We present the development of Travelling Wave Parametric Amplifiers based on NbTiN films, towards the integration of a quantum-limited read-out chain.

https://drive.google.com/open?id=1iYfLR_s4gFjPSbF_rFVveWaahxLWn2dD

Presenter: MANTEGAZZINI, Federica (FBK)

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