

Scaling-up Spin Qubits

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Useful quantum computers likely require 1000s of physical qubits, controlled, read out, and error corrected with platforms that push the limits of classical technology available today. This talk will describe work towards devising new approaches to scale up spin qubits and their classical interfaces. As a side-bar, recent results on extending spin coherence using nuclear polarization of ^{13}C in diamond will be presented.