## "Noise-resilient quantum simulation of nuclear dynamics"

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Time and Date: 9:30 - 11:00, Fri June 18th 2021

## Abstract:

Quantum computing holds the promise of exact simulations of nuclear matter and dynamics. However, presently quantum simulations are limited by the buildup of environmental noise across multiple quantum logical gates. I will show how noise-resilient quantum simulations can be achieved by using a minimal number of gates, yielding a 100-fold increase in the quantum simulation time of two-neutron spin dynamics.

## Zoom registration:

https://us02web.zoom.us/meeting/register/tZUqdOuqrDwsG9RrO\_u8UhFkXqLqADVBWpFe

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