Université Paris-Saclay
IJCLab
(Laboratoire de Physique des 2 Infinis Irène Joliot-Curie)
Bât. 100, F-91405 Orsay

Séminaire de Physique Nucléaire Théorique

Laboratory Lattice Field Theory and Numerical Qubit Design

Neill Warrington
(MIT)

I will present my recent work developing connections between precision quantum experiments and quantum many body physics. I will present lattice field theory calculations informing atomic gas experiments, then speculate a way to take a literal continuum limit in the lab. I will then present a numerical framework for qubit design.

Mercredi 6 Mars 2024
16 :00
IJCLab, Bât. 100, Salle A243