

# SÉMINAIRE du PÔLE THÉORIE



LABORATOIRE DE PHYSIQUE DES DEUX  
INFINIS IRÈNE JOLIOT-CURIE  
*Pôle de Physique Théorique*  
Bât. 100, F-91406 ORSAY CEDEX  
Tél (33)-(0)1-6915-7330 - Fax (33)-(0)1-6915-7748

université  
PARIS-SACLAY

## Neill Warrington

MIT, Cambridge, USA

### Laboratory Lattice Field Theory and Numerical Qubit Design

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.

*Wednesday 6<sup>th</sup> March*

*2024, 16h00*

*IJCLab, Build. 100, Room A243*