



ICTP | International Centre for Theoretical Physics
SAIFR | South American Institute for Fundamental Research



September 25-29, 2017
IFT-UNESP, São Paulo - Brazil

MINICOURSE ON MACHINE LEARNING FOR MANY-BODY PHYSICS



ROGER MELKO
U. Waterloo & Perimeter I.



JUAN F. CARRASQUILLA
D-Wave Systems Inc.

This course will introduce machine learning techniques for studying classical and quantum many-body problems encountered in condensed matter, quantum information, and related fields of physics. Lectures will emphasize relations between statistical physics and machine learning, while tutorials will include hands-on experience in programming with applications.

Application deadline: August 25, 2017
Online application and more information: www.ictp-saifr.org/ML2017