Department of Physics
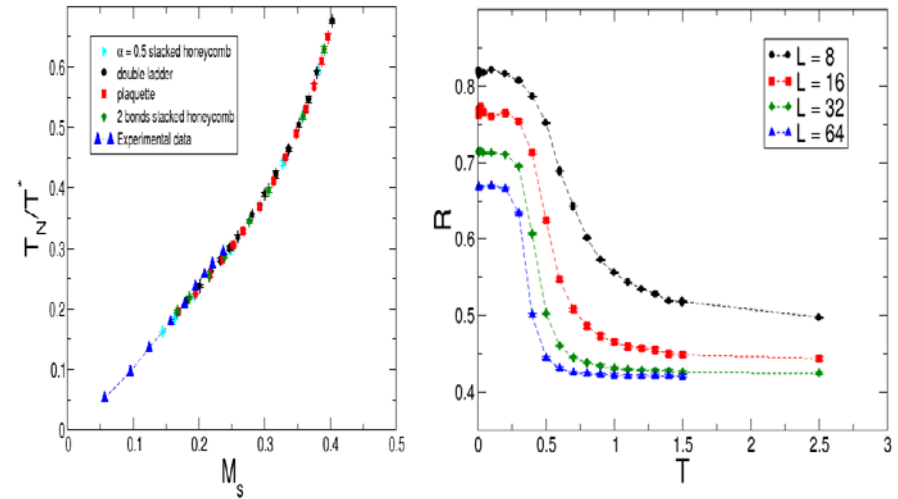# Monte Carlo and Neural Networks Studies of Critical Phenomena

Our group focus on studying quantum and classical phase transitions and the associated critical phenomena using first principles Monte Carlo Simulations as well as Neural Networks

Techniques used in study:
Monte Carlo and quantum Monte Carlo simulations, Neural Networks

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PhD, Duke University, USA

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Publications:

1. D.-R. Tan and F.-J. Jiang*, Physical Review B, 98, 245111 (2018).

2. D.-R. Tan, C.-D. Li, and F.-J. Jiang*, Physical Review B, 97, 094405 (2018).