

# Condensed Matter Theory Center Seminar



Tuesday, September 26  
11:00 am – 12:15 pm  
2205 John S. Toll Physics Building

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Harvard

## “A Web of Dualities in Condensed Matter Physics: from Quantum Hall Effect to Exotic Quantum Criticality”

**Abstract:** Two seemingly different quantum field theories may secretly describe the same underlying physics — a phenomenon known as “duality”. I will review some recent developments in field theory dualities in (2+1) dimensions and some of their applications in condensed matter physics, in particular in quantum Hall effect and quantum phase transitions.

Host: Junhyun Lee

Web: <http://www.physics.umd.edu/cmte/seminars.html>

