

# Condensed Matter Theory Center Seminar



Tuesday, February 21  
11:00 am – 12:15 pm  
2205 John S. Toll Physics Building

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## “Composite Fermi Liquids in the Lowest Landau Level”

**Abstract:** I will describe recent work on metallic states of matter - known as composite fermi liquids - in the quantum Hall regime in two dimensions. Remarkably the physics of these states are closely related to the physics of surface states of interacting topological insulators in 3 dimensions, and to the physics of quantum spin liquids in 3d magnets. These relationships provide new insights into all of these different problems. In this talk I will focus on the progress made in the theory of the composite fermi liquids itself.

Host: Xiao Li

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

