

Condensed Matter Theory Center Seminar



Friday, April 19
11:00 am – 12:30 pm, Physics Building 2205

T. Senthil

Massachusetts Institute of Technology

“Topological insulators of bosons in three dimensions”

I review recent progress in understanding the physics of three-dimensional analogs of topological insulators in systems of interacting bosons. I discuss the properties of their protected surface phases, structure of the bulk wave functions, and if applicable, their bulk electromagnetic response. Finally I show that these phases provide a very insightful window into the physics of the much more exotic quantum spin liquid phases.

(All are welcome to attend)

