

Condensed Matter Theory Center Seminar



Thursday, May 19
11:00 am – 12:30 pm
2205 Toll Physics Building

Vadim Oganesyan
CUNY, Staten Island

“Phenomenology of many-body localization”

Abstract: I will review recent progress on theory of many-body localization, mostly focusing on properties of the many-body localized phase itself. I will discuss explicit construction of effective Hamiltonians governing the dynamics of conserved quantities. The analysis reveals several inequivalent length scales in the system, some of which do not appear to diverge on the approach to the thermalized phase. Experimental protocols to measure these length scales will also be discussed.

Host: Will Cole

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

