

CMP Seminar
Michigan State University

Vadim Oganesyan
CUNY

Phenomenology of many-body localization

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.

Monday, November 21, 2016

4:10 p.m.

BPS 1400

Prof. Mark Dykman - Host