

Topology Seminar

Rune Haugseng

of University of Copenhagen will be speaking on

Higher Lagrangian correspondences and topological field theories

on April 11 at 4:30 in
MIT Room 2-131

The AKSZ construction, as implemented by Pantev-Toën-Vaquié-Vezzosi in the context of derived algebraic geometry, gives a symplectic structure on the derived stack of maps from an oriented compact manifold to a symplectic derived stack. I will discuss how this gives rise to a family of extended topological field theories valued in higher categories of symplectic derived stacks, with the higher morphisms given by a notion of higher Lagrangian correspondences. This is ongoing work with Damien Calaque and Claudia Scheimbauer.