Topology Seminar

David Treumann

of Boston College will be speaking on

The Maslov cycle and the J-homomorphism

on November 16 at 4:30 in
MIT Room 2-131

Let L be an exact Lagrangian submanifold of a cotangent bundle T^*M. If a topological obstruction vanishes, a Floer-theoretic construction of Nadler and Zaslow gives a functor from the category of local systems of R-modules on L to the category of constructible sheaves of R-modules on M. I will discuss a variation of this construction that allows R to be a ring spectrum. I hope it won't take any knowledge of symplectic geometry to follow the talk. This is joint work with Xin Jin.