

Topology Seminar

Tyler Lawson

of University of Minnesota will be speaking on

Relative Picard and Brauer groups

on February 28 at 4:30 in
MIT Room 2-131

Picard and Brauer groupoids, which capture information about invertible modules and central simple algebras, are objects of classical interest in algebra and number theory. The calculation of these objects is often aided by the use of Galois cohomology. We will discuss the generalizations to ring spectra, due to Hopkins-Mahowald-Sadofsky and Baker-Richter respectively. We then discuss how to compute these using Galois cohomology in higher category theory. (This talk based on joint work with David Gepner.)