**Iñaki García Etxebarria**

# Deriving SymTFTs from geometry

Abstract

Symmetry TFTs (aka SymTFTs), and the related "sandwich construction", provide a principled way of discussing various subtle aspects of many systems with categorical symmetries. These objects also appear very naturally when studying quantum field theory using geometric methods in string theory. In this talk I will review some elementary aspects of this description of symmetries, and explain how it arises in string theory and holography.