## **TEP Seminar**

UCLA

Tuesday, December 5th @ 2pm Schwinger Lounge

## **"Topological Interfaces and Gauging Generalized Symmetries"**

## Yifan Wang (NYU)

Abstract: We'll describe gauging generalized symmetries in two-dimensional quantum field theory in terms of topological interfaces. We will see that familiar properties one encounters in gauging conventional invertible symmetries generalize naturally to non-invertible symmetries in this physical perspective. We will discuss a bootstrap approach to classify such topological interfaces, and correspondingly the different ways of gauging. We illustrate this general procedure for concrete generalized symmetries realized by concrete 2d CFTs and explain the physical consequences.