

Speaker: Shuang MING (BIMSA, China)

Title: Three dimensional alterfold theory

Abstract: In this talk, I will discuss the alterfold theory of dimension three, where the input data is a spherical fusion category. We could define a partition function over 3 manifold with certain decoration. I will explain how it is related to other famous combinatorial quantum invariant, and how it can be applied to study the tensor categories.