**Institut Henri Poincaré**

11 rue Pierre et Marie Curie, 75231 Paris cedex 05

**String Theory in Greater Paris**

**Rencontres Théoriciennes**

**“Supergravité, théorie des cordes et théorie M”**

***Jeudi 5 Novembre 2015, 10:00***

# Masahito Yamazaki

## Supersymmetric Defects in 3d-3d Correspondence

*I will discuss knot-like defects in CS theory with complex gauge group SL(N), in the context of its connection with 3d N=2 theory (the so-called 3d-3d correspondence). We discuss this problem from a number of different perspectives, including cluster algebras, state-integral models, 3d N=2 non-Abelian gauge theories, 5d N=2 SYM, and holographic dual, and discuss the consistency checks as well as new predictions/implications.*

**Institut Henri Poincaré, salle 314, 3ème étage**