

# Davesh Maulik : P=W conjecture for $GL_n$

*lundi 12 juin 2023 10:00 (1 heure)*

The P=W conjecture, proposed by de Cataldo-Hausel-Migliorini in 2010, gives a link between the topology of the moduli space of Higgs bundles on a curve and the Hodge theory of the corresponding character variety, using non-abelian Hodge theory. In this talk, I will explain this circle of ideas and discuss a recent proof of the conjecture for  $GL_n$  (joint with Junliang Shen).