Séminaire d'algèbre, topologie et géométrie
Jeudi 29 janvier à 14h
Salle I

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Bohr-Sommerfeld Lagrangians for the moduli space of Higgs bundles

We will use a natural algebraic one-form on the moduli space of Higgs bundles to describe Bohr-Sommerfeld Lagrangians on it. These Lagrangians happen to be precisely the irreducible components of the nilpotent cone in the moduli space given by the Hitchin fibration. The result extends to some other moduli spaces like moduli spaces of parabolic Higgs bundles. In the talk we will define and describe all the notions involved. This is joint work with Indranil Biswas and Niels Leth Gammelgaard.