

SEMPARIS – Séminaires en région parisienne

<http://string.lpthe.jussieu.fr/semparis/>

TBA

Mardi 27 Juin 2017, 14 :30

IHES, Amphithéâtre Léon Motchane

Domaines : hep-th

Titre : *Motivic Classes for Moduli of Connections*

Orateur : **Alexander Soibelman (University of Southern California)**

Résumé : *In their paper, "On the motivic class of the stack of bundles", Behrend and Dhillon were able to derive a formula for the class of a stack of vector bundles on a curve in a completion of the K -ring of varieties. Later, Mozgovoy and Schiffmann performed a similar computation in order to obtain the number of points over a finite field in the moduli space of twisted Higgs bundles. We will briefly introduce motivic classes. Then, following Mozgovoy and Schiffmann's argument, we will outline an approach for computing motivic classes for the moduli stack of vector bundles with connections on a curve. This is joint work with Roman Fedorov and Yan Soibelman.*
