



# Département de Mathématiques d'Orsay



## Higgs bundles, Bethe Ansatz and the perverse filtration

Mercredi 12 septembre 2018 14 :00-17 :00

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Résumé : We describe an application of equivariant integration to the topology of the moduli spaces of rank-2 Higgs bundles on Riemann surfaces. Our integral formulas naturally lead us to certain transcendental equations, the Bethe equations, and to a proof of a conjecture concerning the cohomology of this moduli space : the P=W conjecture. This work is joint with Simone Chiarello and Tamás Hausel.

Salle 3L8

Plus d'infos...