

SEMPARIS – Séminaires en région parisienne

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

TBA

Mercredi 25 Avril 2018, 16 :30
IHES, Amphithéâtre Léon Motchane
Domaines : hep-th

Titre : *Domains of discontinuity for (quasi-)Hitchin representations*

Orateur : **Daniele Alessandrini (Universität Heidelberg)**

Résumé : *Among representations of surface groups into Lie groups, the Anosov representations are the ones with the nicest dynamical properties.*

Guichard-Wienhard and Kapovich-Leeb-Porti have shown that their actions on generalized flag manifolds often admit co-compact domains of discontinuity, whose quotients are closed manifolds carrying interesting geometric structures.

Dumas and Sanders studied the topology and the geometry of the quotient in the case of quasi-Hitchin representations (Anosov representations which are deformations of Hitchin representations). In a conjecture they ask whether these manifolds are homeomorphic to fiber bundles over the surface.

In joint work with Qionglin Li, we can prove that the conjecture is true for (quasi-)Hitchin representations in $SL(n, \mathbb{R})$ and $SL(n, \mathbb{C})$, acting on projective spaces and partial flag manifolds parametrizing points and hyperplanes.
