# SEMPARIS – Séminaires en région parisienne

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## 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 Qiongling Li, we can prove that the conjecture is true for (quasi-)Hitchin representations in SL(n,R) and SL(n,C), acting on projective spaces and partial flag manifolds parametrizing points and hyperplanes.*