Géométrie et dynamique dans les espaces de modules

(Carlos Matheus, Bram Petri et Anton Zorich)

Un **mercredi** par mois de **14h à 15h** à l'**Institut Henri Poincaré**.

Séminaire au mois de Novembre:

- **18/11/2026 - Gregorio Baldi** (IMJ-PRG)

  Titre: *Murphy's Law in non-abelian Hodge theory*

  Résumé: In this joint work with J. Lam, we discuss explicit examples of non-integral variations of Q-Hodge structures. Our approach leverages Fenchel–Nielsen-type parameterizations, due to Kabaya and Maskit, of the Teichmüller component of relative character varieties. Additionally, we discuss various Diophantine results concerning the $O_{K,S}$-integral points of such character varieties, and give a new proof of Beauville's classical theorem on families of elliptic curves. If time permits, pathological behaviors of the Hodge locus of non-integral QVHS will also be presented.

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