SEMPARIS – Séminaires en région parisienne

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TBA

Mercredi 1 Mars 2017, 10 :30
IHES, Amphithéâtre Léon Motchane(Cours de l'IHES)
Domaines : hep-th

Titre : *On the Arakelov theory of arithmetic surfaces (1/4)*

Orateur : **Christophe SoulÉ (IHES)**

Résumé : *Let X be a semi-stable arithmetic surface of genus at least two and ω the relative dualizing sheaf of X, equipped with the Arakelov metric. Parshin and Moret-Bailly have conjectured an upper bound for the arithmetic self-intersection of ω. They proved that a weak form of the abc conjecture follows from this inequality. We shall discuss a way of making their conjecture more precise in order that it implies the full abc conjecture (a proof of which has been announced by Mochizuki).*