SEMPARIS – Séminaires en région parisienne

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TBA

Jeudi 16 Janvier 2025, 11 :00
IHES, Amphithéâtre Léon Motchane
Domaines : math

Titre : *Frobenius Structure on Theta Connections and Epipelagic Langlands Parameters*

Orateur : **Daxin Xu (Morningside Center of Mathematics, Chinese Academy of Sciences & IHES)**

Résumé : *In this talk, we first review the local monodromy at infinity of the Bessel F-isocrystals following Dwork, Sperber. Then we explain a generalization of this story for theta connections. Theta connections are certain rigid connections over* P^1 *minus two points, related to epipelagic representations under the geometric Langlands correspondence. As an application, we verify a conjecture of Reeder-Yu on the epipelagic Langlands parameters under some technical conditions. The talk is based on my joint work with Xinwen Zhu and a work in progress with Lingfei Yi.*
