

Séminaire Groupes Réductifs et Formes Automorphes

Le 16 janvier 2017 à 10h30 (Jussieu)

A local converse theorem and the local Langlands correspondence in families.

Exposé de Gil Moss
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Résumé : In 2012 it was conjectured by Emerton and Helm that the local Langlands correspondence for $GL(n)$ of a p -adic field (suitably normalized) should interpolate in ℓ -adic families, where ℓ is a prime different from p . Recently, Helm reformulated the conjecture in terms of the existence of an appropriate map from the integral Bernstein center to a Galois deformation ring. This connects moduli spaces and congruences of objects on either side of the correspondence. In this talk we will present recent work (joint with David Helm) showing the existence of such a map and describing its image.