

Séminaire Groupes Réductifs et Formes Automorphes

Le 25 septembre 2017 à 10h30 (Jussieu)

Wild ramification and $K(\pi, 1)$ spaces.

Exposé de Piotr Achinger
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Résumé :

I will sketch the proof that every connected affine scheme in positive characteristic is a $K(\pi, 1)$ space for the étale topology. The key technical ingredient is a “Bertini-type” statement regarding the wild ramification of ℓ -adic local systems on affine spaces. Its proof uses in an essential way recent advances in higher ramification theory due to T. Saito. Time permitting, I will discuss some “anabelian” and “irregular” ramifications of the result.