

Exposé du jeudi 22 janvier 2015

**THE WILD MCKAY CORRESPONDENCE, MASS
FORMULAS AND p -ADIC INTEGRATION**

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Résumé : abstract : The talk is about a version of the McKay correspondence in positive or mixed characteristic. Roughly speaking, this version gives an equality between a weighted count of extensions of a local field and a weighted count of rational points of a variety over a finite field (with respect to “stringy weights”). In a particular example, it relates mass formulas of Serre and Bhargava with the Hilbert scheme of n points on an affine plane. A proof of this result is based on p -adic integration. The talk is partly based on a joint work with Melanie Machett Wood.

1. Les jeudis matin, de 10 h 30 à 11 h 30, salle 004, IRMAR (bâtiment 22), Université de Rennes 1, Campus de Beaulieu