

Séminaire de géométrie algébrique de Rennes¹

Exposé du jeudi 28 avril 2016

**THE p -ADIC MONODROMY GROUP OF ABELIAN
VARIETIES OVER GLOBAL FUNCTION FIELDS OF
CHARACTERISTIC p**

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Résumé : We prove that the monodromy groups of the overconvergent crystalline Dieudonné modules of abelian varieties defined over global function fields are reductive, and after a finite base change they are the same as the monodromy groups of Galois representations on the corresponding l -adic Tate modules, for l different from p . I will also describe a generalisation of this independence result, conditional on some recent work of Abe.

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