1001-11-268 **Dennis Gaitsgory*** (`gaitsgde@math.uchicago.edu`), Dept. of Mathematics, The Univ. of Chicago, 5734 University ave., Chicago, IL 60614. *On de Jong's conjecture.*

Let X be a smooth complete curve over a finite field k and F_l another finite field, whose characteristic is coprime with that of k.

As was shown in the original paper of A.J. de Jong, his conjecture follows if one is able to associate to every n-dimensional local system E on X with coefficients in the field $F_l((t))$ a constructable complex S_E (also with coefficients in $F_l((t))$) on the moduli space $Bun_n(X)$ of rank n vector bundles on X, such that S_E is an "eigenvector" for Hecke functors, with eigenvalues given by E.

The assignment $E \mapsto S_E$ is a $F_l((t))$-version of the geometric Langlands conjecture. In the talk we will indicate the main steps in the proof of this conjecture, following the approach of Frenkel-Gaitsgory-Vilonen. (Received August 29, 2004)