1051-20-142   **Pramod N Achar*** (`pramod@math.lsu.edu`), Department of Mathematics, Louisiana State University, Baton Rouge, LA 70803. *Andersen-Jantzen sheaves and the affine Grassmannian.* Preliminary report.

An Andersen-Jantzen sheaf is a coherent sheaf on the nilpotent cone arising as the push-forward of a dominant line bundle on the cotangent bundle of the flag variety. In this talk, I will explain how to use the geometric Satake equivalence to compute the Ext-algebra of an Andersen-Jantzen sheaf in terms of the cohomology of an orbit in the dual affine Grassmannian. (Received August 22, 2009)