Meeting: 1003, Atlanta, Georgia, SS 8A, AMS Special Session on Modular Representation Theory of Finite and Algebraic Groups, I

1003-20-1217 **Brian Parshall*** (`bjp8w@virginia.edu`), Dept. of Mathematics, University of Virginia, Charlottesville, VA 22903. *Some results on the cohomology of algebraic groups and Hecke algebras.*

We discuss some recent results concerning the cohomology of reductive algebraic groups over fields of positive characteristic. A frequent tool amounts to relating the cohomology to the cohomology of a related algebraic object, often an associated Hecke algebra. (Received October 04, 2004)