

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

1003-20-574      **Zongzhu Lin** (zlin@math.ksu.edu), Department of Mathematics, Kansas State University, Manhattan, KS 66506, and **Daniel K. Nakano\***, Department of Mathematics, University of Georgia, Athens, GA 30602. *Projective modules over Frobenius kernels and finite Chevalley groups*. Preliminary report.

Let  $G$  be a reductive algebraic group scheme which is defined over the field of  $p$  elements. In this talk I will present results on the properties of rational  $G$ -modules which are projective as modules over Frobenius kernels as opposed to ones which are projective over the corresponding finite Chevalley group. If time permits applications will be presented. (Received September 23, 2004)