1064-14-98   **Matthew Satriano*** (`satriano@umich.edu`). *Hodge Theory and Liftability Results for Quotients by Groups.*

This talk is concerned with quotients of smooth varieties by finite group schemes. We begin by reviewing the classical Chevalley-Shephard-Todd theorem in Invariant Theory. We show how a new look at this theorem leads to Hodge theoretic results for quotients by finite group schemes. (Received August 31, 2010)