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

1003-20-750 **Adam E. Roberts*** (radam@bgnet.bgsu.edu), Department of Mathematics and Statistics, Bowling Green State University, Bowling Green, OH 43403-0221. *A Phan-Type Theorem for Orthogonal Groups.* Preliminary report.

We will define a geometry on which an orthogonal group G acts. We will show that this geometry is simply connected and using Tits' lemma we will be able to identify G with the universal completion of an interesting amalgam of its subgroups. (Received September 29, 2004)