1035-20-1228 **Joseph Evan*** (josephevan@kings.edu), Department of Mathematics, King's College, Wilkes-Barre, PA 18711. An Examination of Subgroups that Satisfy the Frattini Argument or Strong Frattini Argument.

In this talk we will examine the two subgroup properties referred to in the title. A subgroup U of a finite group G satisfies the Frattini Argument in G if for all normal subgroups K of G, we have $G = KN_G(U \cap K)$. A subgroup U of a finite group G then satisfies the strong Frattini argument in G if it satisfies the Frattini argument in every subgroup of G in which it is contained.

More specifically, we will begin by discussing an alternative characterization of subgroups that satisfy the Frattini argument and some basic results about subgroups that satisfy the Frattini argument. Our particular interest is truly in subgroups that satisfy the Frattini argument or strong Frattini argument in direct products. While time will limit us from examining this more deeply, we should be able to outline some of the main issues that arise when one studies such subgroups. (Received September 19, 2007)