

Meeting: 1003, Atlanta, Georgia, AMS CP 1, AMS Contributed Paper Session

1003-20-592 **Youngmi Kim*** (ykim@jsu.edu), MCIS Department, Jacksonville State University, 700 Pelham Rd. North, Jacksonville, AL 36265, and **Martin J. Evans**. *Subnormal subgroups of finite rank*.

A special case of the main result is as follows: Let G be a locally (soluble-by-finite) group of infinite rank in which every subgroup of infinite rank is subnormal of defect at most d . Then G is nilpotent of class bounded in terms of d only. This extends a famous theorem of Roseblade and holds, more generally, for groups G that belong to the class X introduced by N. S. Cernikov. It is also shown that G is a Dedekind group if $d=1$. (Received September 23, 2004)