1052-81-136　　　　　**Christian Hainzl*** (`hainzl@math.uab.edu`). *Dynamical collapse of massive stars in the Hartee-Fock-approximation.*

I will talk about the finite-time blow-up for relativistic Hartree-Fock equations with radial initial data and negative energy. The corresponding Hartree-Fock equations for gravitating particles serve as approximation for the dynamical evolution of massive stars such as white dwarfs. (Received August 25, 2009)