

**Meeting:** 998, Houston, Texas, SS 21A, Special Session on Homological Algebra of Commutative Rings

998-13-258            **Luchezar L Avramov** and **David A Jorgensen\*** (djorgens@uta.edu). *Derived DG categories and resolutions over complete intersections*. Preliminary report.

We define functors between certain derived categories of DG modules over DG algebras which describe the structure of free resolutions over complete intersections, and discuss features of these functors. In particular, some are equivalences, one being a DG version of BGG. (Received February 29, 2004)