

**Meeting:** 1005, Newark, Delaware, SS 1A, Special Session on Homotopy Theory (in Honor of Donald M. Davis's and Martin Bendersky's 60th Birthdays)

1005-55-62            **Haynes Miller\***, 2-237, Department of Mathematics, MIT, Cambridge, MA 02139. *Hochschild cohomology and Quillen cohomology*. Preliminary report.

I will propose a general definition of what one might mean by “Hochschild cohomology,” in the kind of generality in which Daniel Quillen defined his cohomology, and how the two are related. I’ll then give various hopefully entertaining examples. (Received January 25, 2005)