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**Lauren Grimley\***, Department of Mathematics, Spring Hill College, 4000 Dauphin St, Mobile, AL 36608. *Deformations of quantum exterior algebras extended by groups.*

The Hochschild cohomology of an associative algebra and the graded Lie (or Gerstenhaber) bracket on cohomology controls the deformations of the algebra. In this talk, we use Hochschild cohomology to determine the deformations of group extensions of quantum exterior algebras. We will focus our attention on one such class of deformations which arise as a factor algebra of quantum Drinfeld Hecke algebras. (Received July 11, 2017)