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Lauren Grimley*, Department of Mathematics, Mailstop 3368, Texas A&M University, College Station, TX 77843. *Hochschild cohomology of finite group extensions of some quantum complete intersections*. Preliminary report.

Hochschild cohomology of an associative algebra over a field is a Gerstenhaber algebra, having a cup product and graded Lie bracket which satisfies the Poisson identity. In this talk, we will investigate the Gerstenhaber algebra structure the Hochschild cohomology of group extensions of a class of quantum complete intersections, utilizing the notion of twisted tensor products. (Received July 28, 2015)