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**Lauren Grimley\*** ([lgrimley@shc.edu](mailto:lgrimley@shc.edu)), Department of Mathematics, 4000 Dauphin St, Mobile, AL 36608. *The Lie Bracket on Hochschild Cohomology*. Preliminary report.

The graded Lie bracket on Hochschild cohomology encodes information about the deformations of an algebra. Despite its utility, explicit computations of the bracket on Hochschild cohomology remains difficult. We will discuss the explicit bracket structure of Hochschild cohomology of algebras formed by twisted tensor products and their group extensions. (Received January 11, 2021)