1131-16-144 **Lauren Grimley*** (`lgrimley@shc.edu`), Department of Mathematics, Spring Hill College, 4000 Dauphin St, Mobile, AL 36608, and **Christine Uhl**. *Truncated quantum Drinfeld Hecke algebras.*

Representations of Hecke algebras can provide information about the representations of certain corresponding groups. In this talk, we develop a class of algebras which we call truncated quantum Drinfeld Hecke algebras. These algebras may be constructed as filtered algebras, in which Bergman's Diamond Lemma and noncommutative Grobner bases may be used, or constructed as deformations of the quantum exterior algebra extended by finite groups, in which homological tools may be used. We focus our attention on examples involving complex reflection groups. (Received July 11, 2017)

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