Naomi Krawzik* (krawzik@shsu.edu). Drinfeld Hecke for the symmetric group acting in positive characteristic.

In the case where the underlying field is zero, deformations of skew group algebras have been well studied, and every Lusztig graded Hecke algebra is isomorphic (as filtered algebras) to a Drinfeld Hecke algebra. However, new algebras arise in the modular case, specifically when the symmetric group acts on a polynomial ring in positive characteristic. We present a classification of the resulting graded Hecke algebras using PBW conditions. (Received September 15, 2020)