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Emily Norton* (emn37@case.edu). *Symplectic reflection algebras of elementary abelian p -groups.*

I will describe the algebraic structure and representation theory of the symplectic reflection algebra in characteristic p associated to an elementary abelian p -group. While some constructions from characteristic 0 fail in this setting, these algebras happen to have a presentation as Ore extensions over a commutative subring, and this makes them amenable to study. There are also interesting connections to combinatorics of the symmetric group. (Received September 10, 2013)