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Christine M Uhl* (christineuhl@my.unt.edu). *Towards a classification of quantum Drinfeld Hecke algebras*. Preliminary report.

We give a preliminary report on a classification of quantum Drinfeld Hecke algebras in dimension 3. We will discuss the connection with rational Cherednik algebras, symplectic reflection algebras and mystic reflection groups, which play a meaningful role in noncommutative invariant theory. (Received September 15, 2014)