Finite dimensional Hopf actions on Weyl algebras.

We prove that any action of a finite dimensional Hopf algebra H on a Weyl algebra A over an algebraically closed field of characteristic zero factors through a group action. In other words, Weyl algebras do not admit genuine finite quantum symmetries. This is joint work with Juan Cuadra and Pavel Etingof.

Note: The title, abstract, and coauthors are subject to change. (Received September 11, 2015)