1135-16-2816 **Cris Negron*** (negronc@mit.edu). *Drinfeld twists of small quantum groups and Belavin-Drinfeld triples.*

I will discuss some recent work on producing, and classifying, Drinfeld twists of small quantum groups. In the case of the (full) small quantum group associated to a simple Lie algebra $\mathfrak{g}$ over $\mathbb{C}$, I will describe how so-called Belavin-Drinfeld triples on the Dynkin diagram of $\mathfrak{g}$ produce twists of the small quantum group. One can read off the properties of the corresponding twisted algebra from the given Belavin-Drinfeld triple. If time permits I will also discuss a complete classification of Drinfeld twists for quantum Borel algebras. (Received September 26, 2017)