Joseph B Timmer* (joseph.timmer@colorado.edu), University of Colorado, Department of Mathematics, Campus Box 395, Boulder, CO 80309-0395. Automorphisms of Drinfeld Doubles and Bismash Products. Preliminary report.

Recent work of Marc Keilberg and Peter Schauenburg can be used to describe the structure of the automorphism group of the Drinfeld double $\mathcal{D}(G)$ for a finite group $G = C \times H$ with $C$ abelian and $H$ non-abelian with no non-trivial abelian direct factor.

In this talk, we will outline the methods and recent advances towards a more general theorem. We also present recent results concerning bismash products and questions that still need to be resolved. (Received September 20, 2016)