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Giovanni ROSSO. Families of Drinfeld modular forms.

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Abstract: Seminal work of Hida tells us that for eigenforms that are ordinary at p we can always find other eigenforms, of different weights, that are congruent to our given form. Even better, it also says that we can find q -expansions whose coefficients are analytic functions of the weight variable k , that when evaluated at positive integers give the q -expansion of classical ordinary eigenforms. This talk will explain how similar results can be obtained for Drinfeld modular forms. We shall explain how to construct families for Drinfeld modular forms, both ordinary and of positive slope, and how to decide if an overconvergent form of small slope is classical. Joint work with Marc-Hubert Nicole.