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**Mihran Papikian\*** ([papikian@math.stanford.edu](mailto:papikian@math.stanford.edu)), Department of Mathematics, Serra Mall 450, Bld. 380, Stanford University, Stanford, CA 94305. *Drinfeld modular varieties as varieties with many rational points over finite fields.*

We show that Drinfeld modular varieties and the modular varieties of D-elliptic sheaves have many rational points over certain finite fields compared to their Betti numbers. This is a generalization of some well-known results for modular curves to higher dimensions. (Received September 07, 2006)