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Autoequivalences of Yetter-Drinfeld module categories.

We report on two classes of autoequivalences of the category of Yetter-Drinfeld modules over a finite group, or, equivalently, the category of modules over the Drinfeld double of that group. Both autoequivalences are associated to taking r -th powers with r relatively prime to the exponent of the group. They preserve tensor products, and preserve Frobenius-Schur indicators up to Galois conjugation. (Received August 15, 2014)