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Metaplectic Modular Categories

I will discuss recent joint work on so-called metaplectic modular categories: slight generalizations of the categories $SO(N)_2$ constructed from quantum groups of types B and D at certain roots of unity. We have a complete classification of these categories and can prove that the braid group representations associated with $SO(N)_2$ have finite image. See ArXiv: 1401.5329 (Quantum Topol. 2017), 1601.05460 (J. Algebra 2016) and 1609.04896 (submitted).