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Eric Carson Rowell* (rowell@math.tamu.edu). *Metaplectic Modular Categories*.

I will discuss recent joint work on so-called metaplectic modular categories: those with the same fusion rules as 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 associated braid group representations have finite image. See ArXiv: 1401.5329 (Quantum Topol. 2017), 1601.05460 (J. Algebra 2016) and 1609.04896 (Proc. AMS, to appear). (Received July 14, 2017)