Meeting: 1003, Atlanta, Georgia, AMS CP 1, AMS Contributed Paper Session

1003-16-745 **Christopher Goff*** (cgoff@pacific.edu), Department of Mathematics, 3601 Pacific Avenue, Stockton, CA 95211. *Gauge Equivalent Twisted Quantum Doubles.*

We exhibit an isomorphism between the fusion algebra of the quantum double of G, an extraspecial p-group, where p is a prime, and the fusion algebra of a quantum double of an elementary abelian group E twisted by a 3-cocycle on E. This provides a nontrivial example in which module categories arising from the twisted quantum doubles of two different groups are equivalent as braided tensor categories. (Received September 29, 2004)