

1030-16-41

Pavel Etingof, Eric Rowell and Sarah Witherspoon* (sjw@math.tamu.edu). *Braid group representations from twisted quantum doubles of finite groups.*

We show that the braid group representations arising from modules of twisted quantum doubles of finite groups always factor through finite groups, in contrast to modules of quantum groups at roots of unity. In the case of a p-group, the pure braid group representations always factor through p-groups. (Received June 29, 2007)