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Can C*-algebraic quantum groups be classified by K-theory?

We report on extending the Elliott classification program to certain classes of quantum groups. We review first our results on compact-type AF Hopf C*-algebras. In this case, we always have a tracial Haar state. Assuming a tracial Haar state is a very restrictive condition. We give classification results in the nontracial case for certain classes.

References:

http://projecteuclid.org/euclid.afa/1429286040

http://link.springer.com/article/10.1007

http://link.springer.com/article/10.1007

https://mr.math.ca/article/on-an-abstract-classification-of-finite-dimensional-hopf-c-algebras/