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Masoud Khalkhali* (masoud@uwo.ca), Canada. *Hopf Cyclic Cohomology in Braided Monoidal Categories*. Preliminary report.

Hopf cyclic cohomology so far has only been considered for Hopf algebras in the category of vector spaces. For various reasons, however, one needs to look at beyond the category of vector spaces and consider Hopf algebra objects in a braided monoidal category. Questions about super Hopf algebras and quasi Hopf algebras are among them. This is joint work with A. Pourkia. (Received August 07, 2007)