

1106-16-1051      **Mitja Mastnak\*** ([mmastnak@cs.smu.ca](mailto:mmastnak@cs.smu.ca)). *Graded deformations of Nichols algebras.*

We study deformation of graded braided bialgebras using cohomological methods. In particular, we show that many examples of Nichols algebras are rigid. This result can be interpreted as nonexistence of braided Lie algebras with nontrivial bracket. This is joint work with I. Angiono and M. Kotchetov. (Received September 10, 2014)