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**Mitja Mastnak\*** ([mmastnak@math.uwaterloo.ca](mailto:mmastnak@math.uwaterloo.ca)), Department of Pure Mathematics, University of Waterloo, 202 University Ave West, Waterloo, ON N2L 3G1, Canada. *On deformations of graded Hopf algebras.*

I will discuss formal graded deformations and cocycle deformations of graded Hopf algebras. I will mainly focus on coradically graded Hopf algebras from the Andruskiewitsch-Schneider classification program. Talk is based on joint work with L. Grunefelder and on joint work with S. Witherspoon. (Received March 10, 2008)