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**Gaston Andres Garcia\*** (ggarcia@mate.unlp.edu.ar). *Multiparameter quantum groups, bosonizations and cocycle deformations.*

In this talk we will discuss cocycle deformations on bosonizations of braided Hopf algebras  $R$  over Hopf algebras with bijective antipode  $H$  in order to study multiparameter quantum groups. With this in mind, we first describe quantum groups given by multiparametric deformations of enveloping algebras of Kac-Moody algebras as a family of pointed Hopf algebras, which are quotients of bosonizations of pre-Nichols algebras, and show that under some hypothesis, these quantum groups depend only on one parameter on each connected component of the Dynkin diagram; in particular, we obtain in this way a known result of Hu, Pei and Rosso. (Received August 14, 2014)