1040-54-195 **Matias Graña*** (matiasg@dm.uba.ar), Depto. Matemática - FCEyN - UBA, Pabellon I - Ciudad Universitaria, 1428 Buenos Aires, Argentina. *Sporadic small quantum groups and link invariants.* Preliminary report.

Small quantum groups can be constructed from certain finite dimensional Nichols algebras by bosonizations and Drinfel'd doubles. In a series of papers, I. Heckenberger classified finite dimensional Nichols algebras which live in Yetter-Drinfeld categories over finite abelian groups. This classification contains the well known Dynkin diagrams of finite type, as long as new "sporadic" algebras. The talk is an ongoing investigation about how much new information these algebras give on knots by taking quantum invariants. (Received February 14, 2008)