**DIPARTIMENTO DI MATEMATICA E APPLICAZIONI “R.CACCIOPPOLI”**

ANNUNCIO DI SEMINARIO

**Mercoledì 11 novembre 2015 – Aula G, 3° Livello, ore 15:00**

Il Prof. Andrzej Borowiec (Università di Wroclaw) terrà un seminario dal titolo

**Drinfeld twist and Hopf algebroids**

**ABSTRACT**

Hopf algebroids are Hopf algebras over noncommutative rings. Drinfeld twist techniques are particularly useful in (deformation) quantization of Lie algebras as well as underlying module algebras (=quantum spaces). Crossed (smash) product construction combines these two into a new algebra which, in fact, does not depend on the twist. However, we can turn it into a Hopf algebroid in a twist dependent way.

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