Seminar

Dr. Simon Lentner

U Hamburg

BiGalois objects and the Brauer Picard group

Thursday, May 7, 2015

at 14:15 h

ESI, Schrödinger Lecture Hall

Abstract: I will explain the notion of a Hopf-Galois and -BiGalois object, which can be used to describe monoidal autoequivalences of representations categories of Hopf algebras. As an example I will show some curious occurrences in the category of representations of a finite group. Then I will talk about my recent work on trying to determine the group of braided autoequivalences for the Drinfel'd double of a finite group and hence the Brauer Picard group. This work should have applications in Dijkgraaf Witten type Topological Field Theories.

Nils Carqueville

April 27, 2015