

Hopf Algebra Seminar

On Tuesday, April 11, 2017, 14.00, **Melisa Escañuela** (Universidad de Cordoba, Argentina), will give a lecture entitled

On fusion rules and solvability of a fusion category

Abstract. We address the question whether or not the condition on a fusion category being solvable is determined by its fusion rules. We prove that the answer is affirmative for some families of non-solvable examples arising from representations of semisimple Hopf algebras associated to exact factorizations of the symmetric and alternating groups. In the context of spherical fusion categories, we also consider the invariant provided by the S-matrix of the Drinfeld center and show that this invariant does determine the solvability of a fusion category provided it is group-theoretical.

The talk takes place at the VUB, building G, seminar room G.6.324.

Everybody is cordially invited!

S. Caenepeel