

# **THE CATEGORY OF TETRAMODULES OVER A BIALGEBRA.**

BORIS SHOIKET

Abstract:

In the talk, I recall the main properties of the abelian category of tetramodules over a bialgebra, with emphasis on the 2-fold monoidal structure on it. I discuss links with deformation theory of bialgebras, with the Gerstenhaber-Schack complex, and with higher Deligne conjecture.