

# Hamiltonian Dynamics Seminar

Wednesday, September 25th, 2013

17:15 – 18:00, Room MA A3 31

There will be **cookies** at 16:45 in the common room

## On a formal 3-ary star product for deforming a Poisson algebra

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**Abstract:** This talk addresses a construction of a 3-ary  $\star$ -product for deforming a Poisson algebra, using a well defined triderivation operator. An associative 3-ary  $\star$ -bracket is built and discussed. Relevant identities are inspected and analyzed. A deformed Poisson algebra isomorphism is given, lending a category structure to such algebras.