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## Representations of Galois algebras

Galois algebras over maximal commutative subalgebras are certain subalgebras in the invariants of skew group algebras, including Generalized Weyl algebras, the universal enveloping algebra of the general linear Lie algebra, Yangians etc. We will discuss the representation theory of Galois algebras, in particular Gelfand-Tsetlin modules for  $gl(n)$ . This talk is based on recent joint results with Sergei Ovsienko.