

Algèbres non commutatives, théorie des représentations et fonctions  
spéciales  
23 mai - 10 juin 2022

Non-commutative algebras, representation theory and special functions  
May 23 - June 10, 2022

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## **Distribution of Schur representations of finite dimensional algebras**

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Schur representations (also known as bricks) of an algebra play an important role in the study of its representation theory. In this talk, we discuss an open conjecture on the behaviour of Schur representations of finite dimensional algebras. After a brief recollection of some fundamental results, we introduce the notion of "generic Schur representation". This allows us to treat the distribution of Schur representation from an algebro-geometric viewpoint. In particular, we focus on the tame algebras and for this family we state a stronger version of our open conjecture in terms of generic Schur representations. We then verify the stronger conjecture for the family of biserial algebras, and conclude with some remarks on the more general setting. This is a report on joint work in progress with Charles Paquette.