

## **Trace Ideals in Group Representations and Commutative Algebra**

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This talk aims at a description of a joint project with Srikanth Iyengar, Janina Letz and Haydee Lindo. The trace ideal of an object in a tensor triangulated category is an invariant of the object. It can occasionally be used to predict properties such as generation time of the category by the object. The project looks at issues such as realization of ideals in cohomology as trace ideals and behavior of the ideals under tensor product and other operations.