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Coefficients of Harish-Chandra's local character expansion are motivic

This talk will be about the joint work with Loren Spice, where we prove that the coefficients of the Harsh-Chjandra's local character expansion for reductive p -adic groups are so-called motivic constants (I will define this notion). This leads to a uniform in p bound on the dimension of the space of fixed vectors of a family of representations of p -adic groups under a given (definable) compact subgroup.