



# MANHATTAN ALGEBRA DAY

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## *Dehn fillings theorem and applications*

Friday, December 4, 2015  
CUNY Graduate Center, Room 9205-04  
4:20pm

*Abstract:*

In this talk I will recall the version of the Dehn fillings theorem proved by Dahmani, Guirardel and Osin. I will present an extension of this theorem and use it to show that groups hyperbolic relative to residually finite groups satisfying the Farrell-Jones conjecture, also satisfy this conjecture.

Based on joint work with R.Coulon and G.Gandini.