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Conjugacy of measure preserving actions of F_n

It was recently shown by Foreman, Rudolph and Weiss that the conjugacy relation for ergodic probability measure preserving \mathbb{Z} -actions is complete analytic. In this talk I will discuss some recent work with Inessa Epstein, where we show this also holds for ergodic p.m.p. actions of the non-amenable free groups F_n , ($n > 1$), and many other groups. We also obtain that orbit equivalence and von Neumann equivalence of such actions are analytic non-Borel relations.