1158-57-109   **Emily Hamilton*** (`mhamil09@calpoly.edu`), California Polytechnic State University, 1 Grand Avenue, San Luis Obispo, CA 93407. *Separability of double cosets and conjugacy classes in n-manifold groups.*

In previous work with Wilton and Zalesskii we showed that if M is a hyperbolic 3-manifold of finite volume with fundamental group Γ, then double cosets of abelian subgroups of Γ are separable in Γ. As a consequence, we proved that fundamental groups of compact, orientable 3-manifolds are conjugacy separable. In this talk, we consider double coset separability of fundamental groups of hyperbolic n-manifolds for $n \geq 2$. We prove that if M is a closed hyperbolic n-manifold with fundamental group Γ, H and K are abelian subgroups of Γ, and $g \in \Gamma$, then the double coset HgK is separable in Γ. We generalize this result to cocompact lattices in linear, semisimple Lie groups of (real) rank one. (Received February 25, 2020)