

# Some dynamics on hyperbolic 3-manifolds

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Hyperbolic 3-manifolds have received intense study since the pioneering work of Thurston. We will survey some results on dynamics preserving foliations in hyperbolic 3-manifolds, making emphasize on the coarse dynamics imposed by the way the diffeomorphism acts on the foliations and links with quasi-geodesic and pseudo-Anosov flows. Applications to the study of partially hyperbolic diffeomorphisms will be presented.