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**Todd Fisher\*** (tfisher@math.byu.edu), Dept of Mathematics, Brigham Young University, Provo, UT 84602, and **Rafael Potrie** and **Martin Sambarino**. *Dynamical coherence and intrinsic ergodicity for partially hyperbolic diffeomorphisms isotopic to Anosov.*

We will discuss partially hyperbolic diffeomorphisms that are isotopic to a hyperbolic toral automorphism and contained in a connected component. If the splitting of the partially hyperbolic diffeomorphism satisfies certain dimensional constraints, then we show the diffeomorphism is dynamically coherent. We then prove that if the center direction is one dimensional, then the topological entropy is locally constant and there is a unique measure of maximal entropy. (Received January 24, 2013)