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Terrence Adams and **Cesar E. Silva*** (csilva@williams.edu). *On ergodic properties for powers of finite and infinite measure-preserving transformations*. Preliminary report.

It is well-known that if an infinite measure-preserving transformation is conservative, then so are all its powers. Of course, this is not the case for ergodic transformations, even in the finite measure-preserving case. Also, in infinite measure there is a variety of different counterexamples. In this talk, we will examine conditions for dynamical properties of a transformation to extend to some of its powers. (Received September 17, 2019)