1035-37-1500 **Steven Hurder*** (hurder@uic.edu), Department of Mathematics, 851 S. Morgan Street, 322 SEO (m/c249), Chicago, IL 60607-7045. *Hyperbolic attractors in foliations.* Preliminary report.

Let F be a smooth foliation of a compact manifold M. A hyperbolic attractor F is a minimal set K such that there is positive Lyapunov exponent for the linear holonomy of F restricted to K. Of particular interest is the case where K is an exceptional minimal set which is transversally modeled on a connected continua - these are called exotic minimal sets. We discuss the relation between foliation entropy, the Lyapunov exponents of F on K, and the geometry of K. A general construction of examples of foliations with exotic minimal sets is described for codimensions greater than one. (Received September 20, 2007)