1027-58-209   **Rafe Mazzeo*** (`mazzeo@math.stanford.edu`), Department of Mathematics, Stanford University, Stanford, CA 94305, and **Frank Pacard**. *CMC foliations in asymptotically hyperbolic spaces.*

The existence and uniqueness of constant mean curvature foliations near infinity in asymptotically Euclidean manifolds has been a subject of intensive study, partly due to applications in relativity. More recently, similar questions have been studied in asymptotically hyperbolic spaces, in particular by Rigger and Neves-Tian. This is a report on a more general existence and uniqueness theory which shows that these foliations are closely related to the conformal structure at infinity. Joint work with Frank Pacard. (Received February 26, 2007)