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Eric Bahuaud* (bahuaud@math.washington.edu), Department of Mathematics, University of Washington, Box 354350, Seattle, WA 98195-4350. *Hölder Compactification for some manifolds with pinched negative curvature near infinity.*

In this talk I will describe recent work that generalizes and strengthens the following result of Anderson and Schoen: the ideal sphere at infinity of a Cartan-Hadamard manifold M with pinched negative sectional curvature has a Hölder structure independent of pole. In particular we were able to relax the hypothesis that M be simply connected and prove that a geometric compactification of M has a Hölder structure, given negative sectional curvature pinching outside a compact set. This is joint work with Tracey Marsh. (Received March 03, 2006)