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Kevin Beanland* (beanland@math.sc.edu), 29201, and **George Androulakis**. *A Hereditarily Indecomposable Asymptotic ℓ_2 Banach space*.

A Hereditarily Indecomposable Asymptotic ℓ_2 Banach space is constructed. The existence of such a space answers a question of B. Maurey and verifies a conjecture of W.T. Gowers. (Received January 31, 2006)