1154-VO-2662 **Daniel Martin*** (daniel.martin@trincoll.edu), **Lan-Hsuan Huang** and **Hyun Chul Jang**.
Rigidity of Hyperbolic space.

The goal of this talk is to give a characterization of hyperbolic space using a geometric invariant defined for a class of manifolds that are asymptotic to hyperbolic space. This result is inspired by a characterization of Euclidean space called the rigidity of the Riemannian positive mass theorem. In this talk we discuss the history and context of our result, as well as some of the main ideas of its proof. (Received September 17, 2019)