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François Ledrappier* (fledrapp@nd.edu), Department of Mathematics, Hurley Hall, University of Notre Dame, Notre Dame, IN 46556. *Entropies and rigidity of compact manifolds.*

We introduce and discuss asymptotic growth rates defined on the universal cover of compact manifolds. We show some general inequalities. We discuss some equality cases when the manifold has no focal points. (Received February 13, 2013)