## EXTREMES FOR ENERGY-LIKE OBSERVABLES ON HYPERBOLIC SYSTEMS

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We consider an ergodic, measure-preserving dynamical system  $(T, X, \mu)$ equipped with an observable  $\phi : X \to R$ . Given the stochastic process  $X_n(x) = \phi(T^n(x))$ , we establish an extreme value law for the sequence of maxima  $M_n = \max_{k \leq n} X_k$  where  $\phi$  is an energy-like observable and  $(T, X, \mu)$ is hyperbolic. Observables of this form have the property that the set of maximization is a curve rather than a single point. We will discuss results in the case of Anosov diffeomorphisms, Sinai dispersing billiards, and coupled expanding maps.