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Kasun Fernando* (kasun.akurugodage@utoronto.ca) and **Françoise Pène**
(francoise.pene@univ-brest.fr). *Edgeworth Expansions for Hyperbolic Dynamical Systems.*

Given a dynamical system which shows hyperbolicity on a large part of phase space, one would expect it to exhibit good statistical properties like rapid decay of correlations, the Central Limit Theorem, Large Deviation Principle and etc. In this talk, I will discuss sufficient conditions for such mostly hyperbolic dynamical systems to admit Edgeworth expansions in the Central Limit Theorem. Our focus is on systems that admit a Young tower with return times with an exponentially decaying tail. (Received January 26, 2020)