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**Inbar Klang\*** ([inbark@stanford.edu](mailto:inbark@stanford.edu)). *Factorization homology and topological Hochschild cohomology of Thom spectra.*

By a theorem of Lewis, the Thom spectrum of an  $n$ -fold loop map to  $\mathrm{BO}$  is an  $E_n$ -ring spectrum. I will discuss a project studying the factorization homology and the  $E_n$  topological Hochschild cohomology of such Thom spectra, and talk about some applications, such as computations, and a duality between topological Hochschild homology and cohomology of certain Thom spectra. (Received August 28, 2017)