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Jonathan A Campbell* (jcampbell@math.utexas.edu). *Topological Hochschild Homology and Koszul Duality.*

Topological Hochschild Homology (THH) is an important invariant that comes up in both algebraic K-theory computations and topological quantum field theories. In this talk I'll present a duality for THH of Koszul dual E_1 -algebras. This duality has possible applications for computations, and is also the shadow of a conjectured richer structure for field theories. (Received September 16, 2013)