1127-55-178   **Anna Marie Bohmann**, **Teena Gerhardt*** (`teena@math.msu.edu`), **Amalie Hogenhaven**,
Brooke Shipley and **Stephanie Ziegenhagen**. *Computational Tools for Topological
coHochschild Homology.*

The theory of Hochschild homology for algebras has a topological analogue, topological Hochschild homology (THH). For coalgebras, there is an algebraic theory dual to Hochschild homology, called coHochschild homology. In recent work, Hess and Shipley defined a topological version of coHochschild homology (coTHH) for coalgebra spectra. In this talk I will introduce this theory of coTHH, discuss computational tools to study coTHH, and present some computational results. This work is joint with Bohmann, Hogenhaven, Shipley, and Ziegenhagen. (Received February 02, 2017)