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# Splittings and computations of (higher) THH

**Abstract: In this talk I will present a splitting formula for higher THH. This is joint work with Bobkova, Lindenstrauss, Poirier, Richter and Zakharevich. I will explain how this splitting formula gives a generalization of a spectral sequence due to Brun. We apply the generalized Brun spectral sequence to the topological Hochschild homology of connective complex $K$-theory and to the topological Hochschild homology of the algebraic $K$-theory of finite fields. Finally, we use the splitting formula to compute higher THH of $\mathbb{Z}/p^m$ with coefficients in $\mathbb{Z}/p$ for $m \geq 2$.**