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Gabriel E Sosa Castillo*, gsosacastillo@colgate.edu, and **Kuei-Nuan Lin** and **David A Cox**.

Multi-Rees Algebras and Toric Dynamical Systems.

This talk will present different descriptions for the defining ideals for the multi-Rees algebra, and its special fiber, associated to toric dynamical systems that arise in the theory of chemical reaction networks. (Received August 20, 2019)