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Jesse S. Keyton*, jskeyton@uark.edu. *On Non-Sequentially Bounded Licci Ideals*. Preliminary report.

In algebraic linkage, significant effort has been made to study the ideals which are in the linkage class of a complete intersection (called licci ideals). For a homogeneously licci ideal, C. Huneke and B. Ulrich asked whether there exists a licci monomial ideal with the same Hilbert function as the given ideal. The question is still open, but K. F. E. Chong formalized the notion of sequentially bounded links and used this idea to identify a class of ideals satisfying the Eisenbud-Green-Harris conjecture, all of which fits into the narrative of the question raised by Huneke and Ulrich. The aim of this talk is to provide evidence that there are examples of licci ideals that are not sequentially bounded licci, which come from a class of ideals constructed by Huneke, Migliore, Nagel, and Ulrich. (Received August 30, 2018)