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Courtney R Gibbons*, 198 College Hill Road, Math Department, Hamilton College, Clinton, NY 13323, and **Robert Huben** and **Branden Stone**. *Recursive Strategy for Decomposing Betti Diagrams of Complete Intersections*.

We introduce a recursive decomposition algorithm for the Betti diagram of a complete intersection using the diagram of a smaller complete intersection. This alternative algorithm is the main tool that we use to investigate stability and compatibility of the Boij-Söderberg decompositions of related diagrams; indeed, when the biggest generating degree is sufficiently large, the alternative algorithm produces the Boij-Söderberg decomposition. (Received February 18, 2018)