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Implementation of heavy ion analyses in Rivet[1] CHRISTINE NATTRASS, ANTONIO DA SILVA, University of Tennessee, Knoxville — Rivet (Robust Independent Validation of Experiment and Theory) is a valuable framework for the comparison of data and simulations. Since features required for heavy ion analyses were only recently available, there is a backlog of analyses which need to be implemented. We discuss implementation of heavy ion analyses in Rivet by undergraduates in a Course-Based Undergraduate Research Experience (CURE) in order to address this backlog. This both provides a valuable educational experience for undergraduates while also assisting collaborations and the field with data preservation and comparisons to models. We show results from the implementation of heavy ion analyses in Rivet and discuss the next steps for wide-spread community adoption of Rivet.

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