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Developments in Rivet analyses and application as educational tool ANTONIO CARLOS OLIVEIRA DA SILVA, CHRISTINE NATTRASS, University of Tennessee - Knoxville — Rivet (Robust Independent Validation of Experiment and Theory) is a framework that facilitates the comparison between measurements from high-energy physics experiments and simulations. It is also an important repository for analyses and works as a documentation of the techniques and methods implemented by particle and nuclear physics collaborations. In this contribution the recent developments for analyses in heavy-ion collisions, including features such as centrality determination and jet background subtraction, will be presented. The application of Rivet as education tool in research classes between 2019 and 2020 showed to be positive among undergraduate. Results from the 2020 Rivetizing Heavy Ion Collisions at RHIC workshop will also be presented.

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