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Comparison of Monte Carlo Charged Particle Spectra to Measured RHIC Data using RIVET WILLIAM WITT, CHARLES HUGHES, CHRISTINE NATTRASS, ANTONIO SILVA, University of Tennessee — RIVET (Robust Independent Validation of Experiment and Theory) is a coding framework for comparing MC (Monte Carlo) simulations to published data, in order to validate the models used in those MC event generators. New additions to the code have enabled better implementation of heavy ion physics analyses. At the recent workshop, Rivetizing Heavy Ion Collisions at RHIC, participants wrote new analyses based on previously published heavy ion physics papers, including comparisons to particle spectra and bulk observables. These RIVET analyses are important for testing different models' ability to reproduce physical observables. This talk will present results from these new RIVET analyses on simulated data from different MC event generators, as well as comparisons to published data.

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