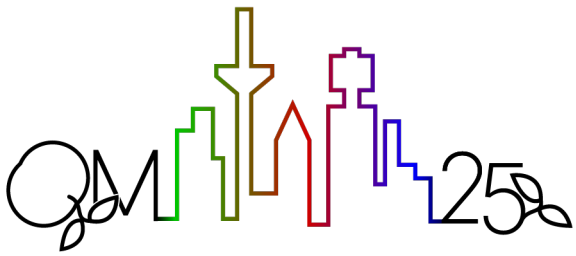

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Advances in Balance Function Measurements

Measurements of Balance Functions were proposed more than two decades ago to probe the evolution of particle production in relativistic heavy ion collisions by Pratt et al.. It subsequently emerged that Balance Functions can also be used to probe the susceptibility of QCD matter near the phase transition and the light quark diffusivity. I will briefly review the theoretical work done in the last two decades and summarize measurements reported by the STAR and ALICE collaborations. I will finally describe recent advances and ideas towards measurements of strange, baryon, and charm balance functions.

Category

Experiment

Collaboration (if applicable)

Author: Prof. PRUNEAU, Claude Andre (Wayne State University (US))

Co-author: GONZALEZ, Victor (Wayne State University (US))

Presenter: Prof. PRUNEAU, Claude Andre (Wayne State University (US))

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