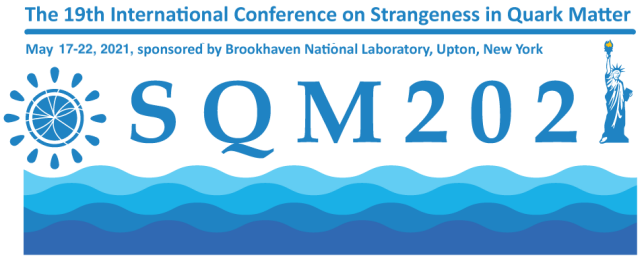

Contribution ID: **41** Type: **Experimental talk**

Indications for a non-monotonic pattern in the (T, μ_B)-dependence of the specific viscosity

Tuesday 18 May 2021 11:10 (20 minutes)

We present Azimuthal Anisotropy Scaling Functions for identified particle species spanning beam energies from RHIC to the LHC. The scaling functions, which clarify the respective influence of initial-state eccentricity, expansion dynamics, and the transport coefficients, indicate characteristic signatures for the transport coefficient's dependencies on the temperature (T) and the baryon (μ_B), strangeness (μ_S), and isospin (μ_I) chemical potentials. The extracted scaling coefficients indicate non-monotonic dependencies of the transport coefficients η/s and $\hat{q}$ on (T, μ_B), linked to the critical endpoint in the phase diagram for nuclear matter.

Collaboration

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Session Classification: Open and New (Correlations)