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Viscosity of the pure SU(3) gauge theory revisited

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We give a preliminary estimate of the shear viscosity and the sound attenuation length in a pure SU(3) gluon plasma, using an improved anisotropic gauge action. We use Wilson-flow for anisotropy tuning, shifted boundary conditions for renormalization, and a multilevel algorithm for the measurement of the energy-momentum tensor correlators. We also look at the continuum limit of the momenta of the spectral function by using $N_t = 10, 12, 16$ lattices.

Author: Dr PASZTOR, Attila (University of Wuppertal, for the Wuppertal-Budapest collaboration)

Presenter: Dr PASZTOR, Attila (University of Wuppertal, for the Wuppertal-Budapest collaboration)

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