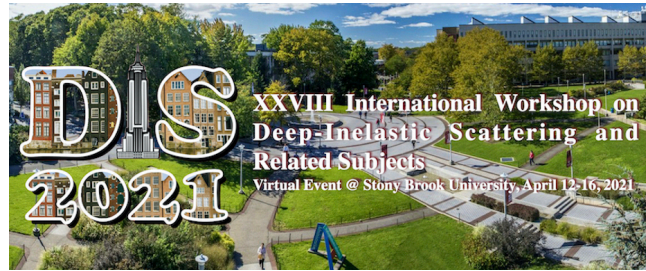


XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects



Contribution ID: 543

Type: **Contributed Talk**

2D densities of the energy-momentum tensor in a quark model

Thursday, 15 April 2021 08:54 (18 minutes)

The form factors of the energy-momentum tensor (EMT) contain a wealth of information about the nucleon. This information can be described at the density level in terms of energy, pressure, shear forces, and angular momentum distributions inside the nucleon. In this talk, we present new results on the associated 2D densities of the energy-momentum tensor in the bag model, formulated in the large- N_c limit. We also study the properties of the 2D EMT densities of the nucleon in a non-relativistic limit and the heavy quark limit.

Primary authors: LORCE, Cedric; TEZGIN, Kemal (University of Connecticut); Dr SCHWEITZER, Peter (Department of Physics, University of Connecticut, Storrs, CT 06269, USA)

Presenter: TEZGIN, Kemal (University of Connecticut)

Session Classification: Spin Physics

Track Classification: Spin Physics