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Energy-Momentum Tensor and Light Cone

Monday 16 September 2019 10:00 (30 minutes)

The QCD energy-momentum tensor (EMT) relation to light-cone distributions and correlators is considered. The limit of massless particles and pressure of quarks in photons is addressed. The special role of tensor polarization of spin-1 particles is analyzed. Special attention is paid to the role of EMT in coupling of quarks and gluons to gravity and manifestation of equivalence principle and its extensions. Interplay between hadronic and heavy-ion observables is also discussed.

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