

The 2nd International Conference on the Initial Stages in High-Energy Nuclear Collisions

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3+1D Structure of Nuclear Collisions From Classical Gluon Fields

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We discuss the energy momentum tensor of the gluon field created in high energy collisions of nuclei at early times. We show how early radial and directed flow are created as a consequence of the non-abelian Gauss, Ampere and Faraday Laws. We find that even in a boost-invariant setup the global structure of the event is non-trivial and exhibits angular momentum. We conclude with a discussion of possible observable consequences.

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