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## Event-By-Event Initial Conditions for Heavy Ion Collisions

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The early time dynamics of heavy ion collisions can be described by classical fields in an approximation of Quantum ChromoDynamics (QCD) called Color Glass Condensate (CGC). Monte-Carlo sampling of the color charge for the incoming nuclei are used to calculate their classical gluon fields. We use the recent work by Chen et. al. (Phys. Rev. C 92, 064912, 2015) to calculate the energy momentum tensor at early times in the collision event-by-event. This can then be used for subsequent hydrodynamic evolution of the single events.

### Summary

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