

Transport of hard probes through glasma

Saturday 24 September 2022 17:30 (20 minutes)

I will discuss the influence which the glasma, that is produced in the earliest phase of heavy-ion collisions, has on transport of hard probes. First, I will describe the method that we use to study the early time dynamics of the collision, which includes the expansion of the glasma fields in the proper time. Then, I will briefly discuss main characteristics of the glasma encoded in the energy-momentum tensor. Finally, I will focus on the transverse momentum broadening coefficient and collisional energy loss of hard probes moving through the glasma showing that the medium has sizeable impact on the transport coefficients.

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