

Charm and beauty quarks in the initial stages of proton-Ion Collisions

Thursday 2 October 2025 14:40 (20 minutes)

In this talk I will discuss the dynamics of Heavy Quarks in the initial gluon-dominated phase of heavy ion collisions, called Glasma. I will first highlight the effect of such phase on the color de-correlation of Heavy Quark pairs, as shown by numerical studies in a 2+1D framework. Then, moving on to 3+1D studies, I discuss the effect of rapidity-dependent fluctuations on the momentum shift of static heavy quarks.

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