## QNP2024 - The 10th International Conference on Quarks and Nuclear Physics



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## quark-antiquark pair production in a strong color field: toward precision

Wednesday, 10 July 2024 14:15 (25 minutes)

We calculate the Next to Leading Order corrections to inclusive production of a quark-antiquark pair in a strong color field. We show that all possible divergences either cancel or are absorbed into evolution of physical quantities. We show how our results can be used for precision studies of quark production in ultraperipheral heavy ion collisions.

## session

G. Heavy Ion Physics

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