



Contribution ID: 641

Type: Oral presentation

Fully resummed medium-induced emissions in dynamic media

Wednesday, 6 April 2022 16:40 (20 minutes)

In the last few years, several frameworks have achieved the evaluation of the medium-induced gluon radiation spectrum (or rate) with all-order resummation of multiple scatterings for static media. However, conceptual and computational issues arise when embedding approaches including multiple scatterings into dynamic plasmas. In this talk, we will show several paths to overcome these difficulties and present results on the fully-resummed spectrum for longitudinally evolving media. Furthermore, we will quantify the accuracy of the different methods and analyze their performance in realistic set-ups as those employed in phenomenological analyses.

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Session Classification: Parallel Session T04: Jets, high-pT hadrons, and medium response

Track Classification: Jets, high-pT hadrons, and medium response