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Construction and Fitting of a Deep Generative Hadronization Model

Tuesday 14 November 2023 14:30 (30 minutes)

Encouraged by the success of applying machine learning techniques to the non-perturbative PDF problem, we decided to try the same in the context of non-perturbative hadronisation. In this presentation, I will show the first steps we took to construct HADML a Deep Generative Hadronization Model.
Then, I will describe the protocol we created to fit the Deep Generative Hadronization Model in a realistic setting where we only have access to the set of final stat hadrons in the data.

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Session Classification: PDF and hadronization issues