QCD@LHC2022
28 November 2022 to 2 December 2022
IJCLab Orsay, France

Contribution ID: **133**   Type: **not specified**

Learning to integrate

Tuesday 29 November 2022 15:00 (15 minutes)

In this contribution I will describe a method to perform multi-dimensional paramtric integrations by fitting a neural network to integrand data. THis method can be applied to many areas in QCD, from phase-space integration to multi-loop integrals.

Declaration

I certify that I have checked that I am authorised to submit the abstract with the listed co-authors with their current affiliations

Change of Speaker

I understand that change of speaker is allowed provided that no participant gives more than one talk. Otherwise, we will ask the speaker to choose between one or the other abstract to be presented.

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Session Classification: Parallel A: WG2&8

Track Classification: WG2: Event Simulations and Monte Carlo Tools