IJCLab
Irène Joliot-Curie
Laboratoire de Physique des 2 Infinis

Séminaire IJCLab (Pôle Théorie)

Anja Butter
(Heidelberg University)

Mardi 25 février 2020 à 11h15

Generative machine learning methods for LHC applications

Event generation for the LHC can be supplemented by generative adversarial networks, which generate physical events and avoid highly inefficient event unweighting. For top pair production we show how such a network describes intermediate on-shell particles, phase space boundaries, and tails of distributions. In particular, we introduce the maximum mean discrepancy to resolve sharp local features.

Seminar room - Bâtiment.210 - Orsay

Organisation :

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