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Machine learning in HEP

Friday 2 August 2019 11:00 (30 minutes)

Machine Learning techniques have been employed in high energy physics already for decades, and have grown to be an important ingredient to event processing. This talk will focus on examples of recent applications and dedicated developments of advanced deep neural networks for particle reconstruction, identification and regression, as well as global event classification. Moreover, the talk will shortly discuss possibilities to mitigate data-to-simulation differences with machine learning techniques.

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