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Machine Learning in High Energy Physics Introduction

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The next paradigm change in computing, now underway, is based on artificial intelligence. The so-called deep learning revolution of the late 2000s has significantly changed how scientific data analysis is performed and has brought machine-learning techniques to the forefront of high-energy physics analysis. Such techniques offer advances in areas ranging from event selection to particle identification to event simulation, accelerating progress in the field while offering considerable savings in resources.
This lecture will give a historical introduction of the topic to then cover the latest techniques used in high energy physics

Is this abstract from experiment?

No

Name of experiment and experimental site

N/A

Is the speaker for that presentation defined?

Yes

Details

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Internet talk

No

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