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Particle Physics and Machine Learning in Education

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The strong and growing role of machine learning (ML) in particle physics is well established and appropriate given the complex detectors and large data sets at the foundational layer of our science. Increasingly, Physics departments are offering curricula to their undergraduate and graduate students that focus on the intersection of data science, machine learning and physics. In this talk, we provide some perspective on the potential role of particle physics in ML education and present some of the opportunities and challenges in the form of open questions for our community to explore.

Primary author: NEUBAUER, Mark (University of Illinois at Urbana-Champaign)

Presenter: NEUBAUER, Mark (University of Illinois at Urbana-Champaign)

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