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Artificial Intelligence and High-Energy Physics

Tuesday 15 June 2021 17:00 (2 hours)

Recent advances in artificial intelligence have had an outsized impact on many scientific fields, and high-energy physics is no exception. What is special about high-energy physics, though, is the vast amount of theoretical and experimental knowledge that we already have about many problems in the field. In this talk, I draw on examples from collider phenomenology and quantum chromodynamics to highlight the fascinating interplay between theoretical principles and machine learning strategies.

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