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Anomaly detection for LHC searches

Tuesday 22 April 2025 09:45 (22 minutes)

Deep-learning methods have given us new tools for finding outliers in datasets, and opens up new opportunities for new-physics search strategies based on these anomaly-detection tools. In this talk I will discuss Normalised AutoEncoders, and how self-supervised learning can be used to find effective sets of observables for the analyses.

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