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Unsupervised and Weakly Supervised Machine Learning Enhanced Anomaly Detection in High Energy Physics

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Unsupervised and weakly supervised techniques in machine learning can boost conventional methods for anomaly detection in HEP and open up a path for model-agnostic searches. Challenges posed by HEP data, including its voluminous nature and intricate structure, as well as insights drawn from the studies of manifold models are addressed.

Brainstorming idea [title]

Category theory and machine learning

Brainstorming idea [abstract]

how can machine learning benefit from category theory

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