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Robustness to Uncertainties in Machine Learning Applications for HEP

vendredi 1 décembre 2023 09:00 (35 minutes)

In this presentation I will discuss recent trends in the handling of systematic uncertainties in HEP analysis tasks, and techniques proposed to mitigate or remove their effect in the search for optimal selection criteria and variable transformations.

The approaches discussed include nuisance-parametrized models, modified adversary losses, semi-supervised learning approaches, inference-aware techniques, and other recent developments.

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Classification de Session: Architectures

Classification de thématique: Architectures (Adversarial, Bayesian, ...)