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ML in jet physics beyond classification

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Advanced machine-learning techniques started recently to be explored by the CMS collaboration in various areas of jet physics, beyond jet classification. We present the most recent developments for the jet energy calibration and the jet mass reconstruction. In both cases novel algorithms using state-of-the-art machine-learning techniques have been developed. Significant improvement compared to traditional methods is observed which translates to improved physics reach.

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Session Classification: Regression, Calibration, and Fast Inference