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Choosing the Right Features for Anomaly Detection

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Weakly supervised methods have emerged as a powerful tool for model agnostic anomaly detection at the LHC. While remarkable performance has been achieved for specific sets of high-level input features, a further exploration of different input feature sets of various types will lead to more model agnostic and better performing setups. In this talk, we explore low-level features as well as some high-level features, including subjettiness based feature sets and energy flow polynomials.

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