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Cancelled: A New Boosted Decision Tree Classifier for VERITAS

Boosted decision trees (BDTs) consistently provide enhanced background-rejection power for imaging air Cherenkov telescope (IACT) data analysis, compared to box cuts on conventional image-characterization parameters, including those based on second-order moment analysis, so-called “mean scaled width” and “mean scaled length.” In this presentation, we discuss in-progress work towards a new BDT-based classifier for VERITAS that incorporates both conventional parameters and goodness-of-fit parameters from a template-based shower reconstruction algorithm, including both challenges and successes.

Type of Contribution

talk

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