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Machine Learning for Hadron Spectroscopy

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Recently, JPAC collaboration has developed and benchmarked a systematic approach to use Deep Neural Networks as a model-independent tool to analyze and interpret experimental data and to determine the nature of an exotic hadron. Specifically, we studied the line shape of the $P_c(4312)$ signal reported by the LHCb collaboration. This novel method presents great potential and can be applied to other near-threshold resonance candidates.

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