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Application of the Classification Tree technology to automatic pattern recognition in DZero and GLAST

Wednesday 15 February 2006 09:00 (20 minutes)

We have developed a package that trains and applies boosted classification trees, a technology long used by the statistics community, but only recently being explored by HEP.

We will discuss its design (Object-Oriented C++), and show two examples of its use: to detect single top production in DZERO events, and for background rejection in GLAST.

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