

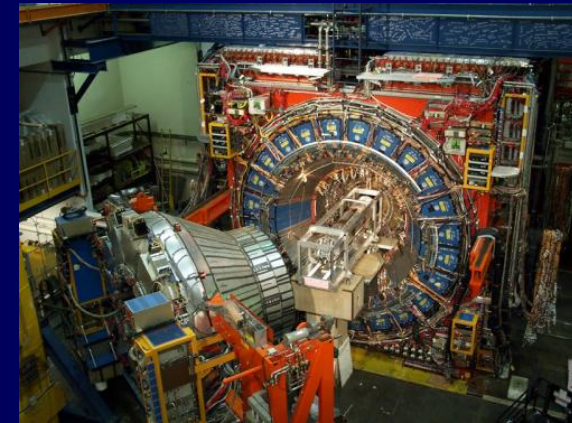
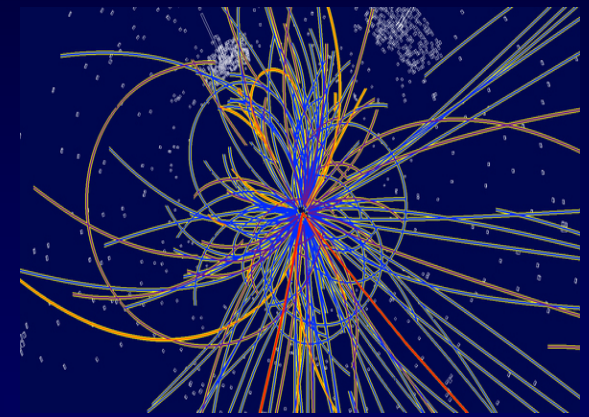
Theory Seminar

Monday, September 27, 2010 2:10 PM 831 Pupin Hall



OPTIMIZING THE IDENTIFICATION OF BOOSTED W BOSONS

High energy W bosons appear in many new physics processes to be probed at the LHC. When highly boosted, a hadronically decaying W boson behaves as a single jet in a collider detector. In this talk, I discuss how to use jet sub-structure to distinguish it from a high PT QCD jet. A set of variables are identified and utilized to achieve significant improvement over previous methods.



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