

Continuation of the Search for the Standard Model Higgs Boson in the $WH \rightarrow WWW \rightarrow l\nu.jj.jj$ Channel

Anthony Podkova

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Abstract

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During the summer of 2010, work began on developing intermediary stages of the analysis of the high-mass Standard Model Higgs boson in associated production with a W boson. This channel, $WH \rightarrow WWW \rightarrow l\nu.jj.jj$, is of particular interest since it has not yet been investigated by any other analysis group. At time of writing, several analysis frameworks have been updated and utilized to produce plots comparing the data samples and Monte Carlo simulations. Continued efforts are being made to develop a customized framework for this analysis and locate candidate events in this channel.