

Abstract Submitted  
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**A novel technique for Higgs mass estimation in leptonic  $H \rightarrow WW$  decays** CHARLES MUELLER, Michigan State University, D0 COLLABORATION  
— One of the most important Higgs search channels at the Tevatron and LHC is the  $H \rightarrow WW \rightarrow \ell\nu\ell\nu$  final state. Due to the un-reconstructed neutrinos in this decay, the Higgs mass cannot be directly reconstructed. This presentation will outline a novel technique to estimate the Higgs mass in  $H \rightarrow WW \rightarrow \ell\nu\ell\nu$  decays, which is applicable in Higgs searches at both the Tevatron and LHC.

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