

Abstract Submitted  
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**Discovery prospects for Higgs  $\rightarrow ZZ \rightarrow 2l2j$  and implications for other resonances** ANDREW WHITBECK, Johns Hopkins University, CMS COLLABORATION — Searches for Higgs-like resonances are of particular interest at the LHC. In this talk, an analysis for a Higgs decay channel,  $H \rightarrow ZZ \rightarrow 2$  leptons and 2 jets, at the CMS experiment is discussed. Projected sensitivities for exclusion obtained from Monte Carlo studies are presented. Implications for exclusion of other exotic resonances, such as Kaluza-Klein Gravitons, are discussed.

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