

Abstract Submitted
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**Search for Associated Production of Z and Higgs Bosons in $n\nu n\nu$
 $b\bar{b}$ Final States** THEODOROS CHRISTOUDIAS, Imperial College, London, D0
COLLABORATION — We present a search for a light Standard Model Higgs Boson
produced in association with a Z boson decaying invisibly into a pair of neutrinos.
The final state is characterised by a presence of two b-tagged jets from the Higgs
Boson decay and a large imbalance in the transverse energy of the event. The search
has been performed using data corresponding to 2 fb^{-1} of integrated luminosity
collected by the D0 experiment at Fermilab. This channel is challenging as the
decay signatures are common in QCD and instrumental backgrounds.

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