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Search for Associated Production of Z and Higgs Bosons in the $\mu\mu bb$ Final State in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. LUCIAN ANCU, Radboud University Nijmegen, D0 COLLABORATION — We present a search for a low mass standard model Higgs boson produced in association with a Z boson decaying to two muons at a center-of-mass energy of $\sqrt{s}=1.96$ TeV with the D0 detector at the Fermilab Tevatron collider. The search is performed in events containing one or two b-tagged jets with of order 4 fb^{-1} of data. As well as the inclusion of the full data set, recent improvements to the sensitivity will be discussed.

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