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Search for Associated Production of Z and Higgs Bosons in the eebb Final State in $p\bar{p}$ Collisions at \sqrt{s} =1.96 TeV MICHAEL KIRBY, Fermilab, D0 COLLABORATION — We present a search for a low mass standard model Higgs boson produced in association with a Z boson decaying to two electrons 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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