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Higgs nel canale $WH \rightarrow l\nu bb$ a CDF

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We present the result of the search for a low mass Higgs boson produced in association with a W boson at a center-of-mass energy of $\sqrt{s} = 1.96$ -TeV with the CDF detectors at the Tevatron $p\bar{p}$ collider. The analysis is performed on the complete CDF dataset (9.4-fb^{-1} of integrated luminosity) in events containing one lepton, transverse energy imbalance and two or three b-quark enriched jets. This is the most sensitive single channel search for the Higgs boson at the Tevatron and a small, broad, excess of events is observed in the range $100 < M_H < 130\text{-GeV}/c^2$ over the background expectation.

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