

# Declaration

This thesis presents a search for the Standard Model Higgs boson in Di-Electron plus Missing Transverse Energy final states at  $\sqrt{s} = 1.96$  TeV with DØ Experiment. The work presented in this thesis has been published.

This work has been done under the supervision of Dr. Kirti Ranjan. This work has been done by the candidate herself and to the best of her knowledge, no part of this work has earlier been submitted for any degree or diploma of this or any other university.

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