



DEPARTMENT OF PHYSICS
INDIAN INSTITUTE OF TECHNOLOGY
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CANDIDATE'S DECLARATION

I, Prashant Shahi S/o Shri Akileshwar Shahi, certify that the work embodied in this Ph. D. thesis is my own bonafied work carried out by me under the supervision of Dr. Sandip Chatterjee for a period of August 2009 to Febuary 2015 at Indian Institute of Technology (Banaras Hindu University), Varanasi. The matter embodied in this Ph. D. thesis has not been submitted for the award of any other degree/diploma.

I declare that I have devotedly acknowledged, given credit to and refereed to the research workers wherever their works have been cited in the text and the body of thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results, etc. reported in the journals, books, magazines, reports, dissertations thesis, etc., or available at websites and included them in Ph. D. thesis and cited as my own work.

Date: 14/03/2015

Place: Varanasi

(Prashant Shahi)

CERTIFICATE

This is to certify that the above statement made by the candidate is correct to the best of our knowledge.

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