

Declaration

I, Adewumi Isaac POPOOLA, declare that this thesis is my own work, unless otherwise acknowledged. It is being submitted for the degree of Doctor of Philosophy in Physics at the University of the Witwatersrand, Johannesburg. It has not been submitted before for any degree or examination in any other University.

A handwritten signature in black ink, appearing to be 'A. POPOOLA', written over a horizontal line.

(Signature of candidate)

6TH day of May, 2013.