

CHARACTERIZATION AND OPTICAL PROPERTY  
ENHANCEMENT OF CORUNDUM  
BY ION BEAM TECHNIQUES

THAWATCHART CHULAPAKORN

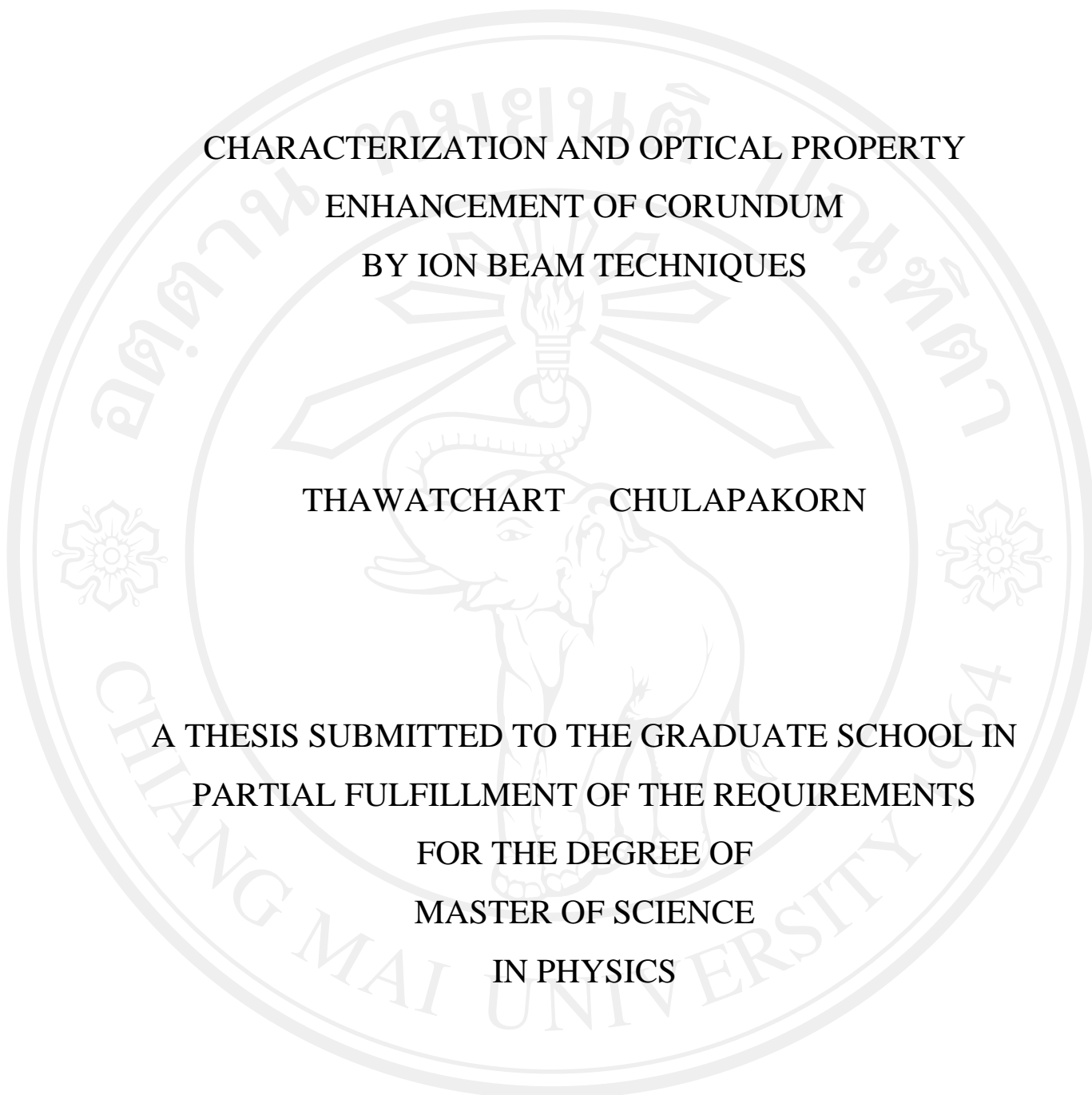
MASTER OF SCIENCE  
IN PHYSICS

THE GRADUATE SCHOOL

CHIANG MAI UNIVERSITY

OCTOBER 2012

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THAWATCHART CHULAPAKORN

A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN  
PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF  
MASTER OF SCIENCE  
IN PHYSICS

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THIS THESIS HAS BEEN APPROVED  
TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS  
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IN PHYSICS

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Thawatchart Chulapakorn