

DIRECT DETECTION OF QUANTIZED NEUTRAL Cl, H, AND D ATOMS
RESULTING FROM THE PHOTODISSOCIATION OF Cl₂, H₂ AND D₂

A DISSERTATION

SUBMITTED ON THE TWENTY EIGHTH DAY OF MARCH 2008

TO THE DEPARTMENT OF PHYSICS

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS

OF THE SCHOOL OF SCIENCE AND ENGINEERING

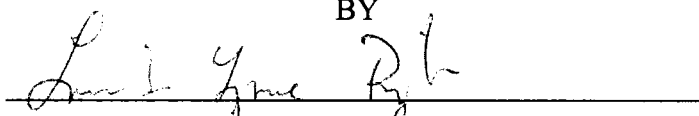
OF TULANE UNIVERSITY

FOR THE DEGREE

OF


DOCTOR OF PHILOSOPHY


BY

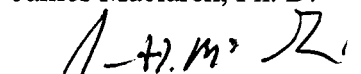


LUCINDA LYNNE PRINGLE

APPROVED: 
Brent Koplitz, Ph. D.
Chairman


Ulrike Diebold, Ph. D.


James Maclaren, Ph. D.


James McGuire, Ph. D.

Biography

Lucinda Lynne Pringle was born January 20, 1976 in Pascagoula, Mississippi. My father, Ralph Pringle, lives currently in Diamondhead, Mississippi. I lived with my mother and stepfather, Lynne and Francis Burger, in Ocean Springs, Mississippi before moving to New Orleans, Louisiana to attend Loyola University New Orleans in 1994. I received my undergraduate degree in Physics in 1998, and began Graduate School at Tulane University in August 1998. I joined Brent Koplitz's research group in 2001, and earned my Master's Degree in 2003. During my time in the Koplitz group, I met and married my loving husband, Keith J. Ponchot. My Ph. D. in Physics will be conferred in May 2008.