

RICE UNIVERSITY

Spectroscopy of  $^{87}\text{Sr}$  Rydberg Atoms and Molecules

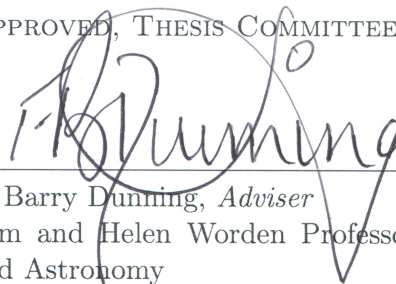
by

Roger Ding

A THESIS SUBMITTED  
IN PARTIAL FULFILLMENT OF THE  
REQUIREMENTS FOR THE DEGREE

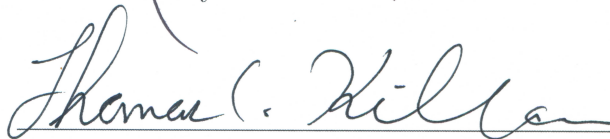
Doctor of Philosophy

APPROVED, THESIS COMMITTEE:



A handwritten signature in dark ink, appearing to read 'F. Barry Dunning', is written over a horizontal line.

F. Barry Dunning, *Adviser*  
Sam and Helen Worden Professor of Physics  
and Astronomy



A handwritten signature in dark ink, appearing to read 'Thomas C. Killian', is written over a horizontal line.

Thomas C. Killian, *Co-Adviser*  
Professor of Physics and Astronomy



A handwritten signature in dark ink, appearing to read 'Han Pu', is written over a horizontal line.

Han Pu  
Professor of Physics and Astronomy

HOUSTON, TEXAS  
AUGUST 2019