

Study of Exotic Nuclei

A Thesis Submitted
to the

University of Allahabad
for the degree of

**Doctor of Philosophy
in Science**

by

Praveen Chandra Srivastava



Under the Supervision of

Prof. (Mrs.) Indira Mehrotra

Head, Physics Department

University of Allahabad

Allahabad -211002

INDIA

Year 2009