

Theory and Phenomenology of Neutrino Masses and Mixing in the Light of Latest Neutrino and Cosmology Data

A thesis submitted in partial fulfillment of the
requirements for the award of the degree of

Doctor of Philosophy

Jotin Gogoi

Registration No: TZ203939 of 2023



Department of Physics

School of Sciences

Tezpur University

Napaam, Tezpur-784028

Assam, India

July, 2025.