

LIST OF PUBLICATIONS

1. Borgohain, H., Das, M. K. Neutrinoless double beta decay and lepton flavour violation in broken mu-tau symmetric neutrino mass model. *Int. J. Theor. Phys.*, 56:2911-2934, 2017.
2. Borgohain, H., Das, M. K. Lepton number violation, lepton flavour violation and baryogenesis in left-right symmetric model. *Phys. Rev. D*, 96:075021, 2017.
3. Borgohain, H., Das, M. K. Lepton number violation, lepton flavour violation and non-zero θ_{13} in LRSM in "Recent Advances in Physics Research and its Relevance", ISBN:978-93-86256-85-0, 2017.
4. Borgohain, H., Das, M. K. Lepton number violation and lepton flavour violation in left-right symmetric model, In *XXII DAE-BRNS High Energy Physics Symposium 2016*, Springer, Cham, Switzerland, 203:691, 2018.
5. Borgohain, H., Das, M. K. Phenomenology of two texture zero neutrino mass in left-right symmetric model with $Z_8 \times Z_2$. *JHEP*, 02:129, 2019.
6. Borgohain, H., Das, M. K., Borah, D. Phenomenological Study of Texture Zeros in Lepton Mass Matrices of Minimal Left-Right Symmetric Model. *JHEP*, 06:064, 2019.
7. Borgohain, H., Das, M. K. Perturbations to $\mu - \tau$ symmetry, lepton Number Violation and baryogenesis in left-right symmetric Model. *arXiv:1803.05710* (under review).

PAPERS PRESENTED IN CONFERENCES

1. Happy Borgohain, Mrinal Kumar Das, *Xth National Conference of Physics Academy of North East (PANE)*, St. Anthony's College, Shillong, 10-12 November, 2016.
2. Happy Borgohain, Mrinal Kumar Das, **XXII DAE-BRNS High Energy Physics Symposium 2016**, Delhi University, 12-16 December, 2016.
3. Happy Borgohain, Mrinal Kumar Das, **National Symposium on Particles, Detectors and Instrumentation (NSPDI)-2017**, TIFR Mumbai, 4-7 October, 2017.
4. Happy Borgohain, Mrinal Kumar Das, **Nu Horizons VII**, HRI, Allahabad, 21-23 February, 2018.
5. Happy Borgohain, Mrinal Kumar Das, **National Seminar in Nuclear and High Energy Physics (NAHEP)**, Gauhati University, 30-31 March, 2018.
6. Happy Borgohain, Mrinal Kumar Das, **XXIII DAE-BRNS High Energy Physics Symposium 2016**, IIT Madras, 10-14 December, 2018.