

Curriculum Vitae

Dr. Bhim Prasad Sarmah

Associate Professor, Department of Mathematical Sciences
Tezpur University, Napaam, Sonitpur, Assam, India – 784028

Personal Information

- Name: Dr. Bhim Prasad Sarmah
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- Date of Birth: 01-10-1968

Academic Qualifications

- Ph.D. in Physics – Gauhati University (2009)
- M.Sc. in Physics – Gauhati University (1990–1992)
- B.Sc. in Physics – Cotton College (1986–1989)

Professional Experience

Associate Professor, Department of Mathematical Sciences, Tezpur University

- Joined on 18 December 1995 as Lecturer
- Joined on 18 December 2009 as Associate Professor
- Teaching and research in Mathematical and Theoretical physics

Research Interests

- Gravitational Wave Astrophysics
- Relativistic Astrophysics
- High-Energy Physics

Publications

1. Gravitational Waves from the r-mode Instability of Neutron Stars: Effect of Magnetic Field
Bhim Prasad Sarmah, H. L. Duorah, arXiv:1011.3738, November 2010.
2. On Searches for Gravitational Waves from Mini-Creation Events by Laser Interferometric
Detectors, *B. P. Sarmah, S. K. Banerjee, S. V. Dhurandhar, J. V. Narlikar, Monthly Notices of the
Royal Astronomical Society*, Vol. 369, Issue 1, pp. 89–96, June 2006.
3. Relativistic Homologous Collapse Beyond Nuclear Density and the Theory of Supernova Shock
Formation, *T. C. Phukon, B. P. Sarmah, Physical Review D*, Vol. 55, Issue 4, pp. 1777–1782, 15
February 1997.
4. Evolution Equations at Large-x and Higher Twist Effects, *D. K. Choudhury, J. K. Sarma, B. P.
Sarma, Zeitschrift für Physik C: Particles and Fields*, Vol. 71, Issue 3, pp. 469–474, July 1996.

Academic Contributions

- Delivered lectures and seminars on gravitational wave astrophysics and related topics and on popularization of science education at various institutions in and around the state.

Member of Professional and Social Institutions/Organizations

- Assam Academy of Mathematics: Life member and Vice-President, central committee
- Assam Science Society: Life member
- IUCAA Associate for two terms of 3 years duration each
- Society for Socio-Economic Awareness and Environment Protection (SSEAEP): Currently Vice-President

(SSEAEP: A Nagaon-based NGO working at National level)