

Dr. Sampurn Anand
Department of Physics,
School of Basic and Applied Sciences,
Central University of Tamil Nadu
Thiruvarur – 610101
E-mail : sampurn@cutn.ac.in



Date of Joining : 08.07.2020
Experience : **Teaching: 1 year, Research: 3 years** (After Ph.D)
Field of specialization : Gravitation & Theoretical Cosmology
Research Interest : Dark Energy, Inflation, Cosmic Magnetic Fields
Structure Formation in the Universe, Gravitational Waves
Courses Taught : Mathematical Physics, Quantum Mechanics, Astrophysics

Number of research papers/article published :

Published	Journals	Seminars/ Workshops/ etc.,	Impact / H-index
International	10	05	6

Conferences/seminars/workshops papers presented : National:3 International: 2

Five Recent publications :

1. Chiral Plasma Instability and Primordial Gravitational Wave
Sampurn Anand, Jitesh R. Bhatt and Pandey, Arun Kumar
Eur. Phy. J C79 (2019) 2, 119; e-print: <https://arxiv.org/abs/1801.00650>
2. Bounds on Neutrino Mass in Viscous Cosmology
Sampurn Anand, P. Chaubal, A. Mazumdar, S. Mohanty and P. Parashari
JCAP 05 (2018) 031; e-print: <https://arxiv.org/abs/1712.01254>
3. Cosmic viscosity as a remedy for tension between PLANCK and LSS data
Sampurn Anand, P. Chaubal, A. Mazumdar, S. Mohanty
JCAP 11(2017) 005; e-print: <https://arxiv.org/abs/1708.07030>
4. Chiral Battery, scaling laws and magnetic fields
Sampurn Anand, Jitesh R. Bhatt and Pandey, Arun Kumar
JCAP 07 (2017) 051; e-print: <https://arxiv.org/abs/1705.03683>
5. Effects of QCD Equation of State on the Stochastic Gravitational Wave Background
Sampurn Anand, U.K.Dey, S. Mohanty
JCAP 03(2017) 018; e-print: <https://arxiv.org/abs/1701.02300>

Links : 1. <https://inspirehep.net/authors/1658023>
2. https://www.researchgate.net/profile/Sampurn_Anand