

LIST OF PUBLICATIONS

Atri Bhattacharya

Harish-Chandra Research Institute, Allahabad, India

Publications during Masters

1. *Quasi-viscous accretion flow -- I: Equilibrium conditions and asymptotic behaviour.*

Published in **Monthly Notices of the Royal Astronomical Society, Volume 398, Issue 2, pp. 841-852 (2008)**

Co-authors: Jayanta K. Bhattacharjee, Tapas K. Das, Arnab K. Ray.

INSPIRE Link: <http://inspirehep.net/record/806373>

Publications during Ph.D.

2. *Diffuse Ultra-High Energy Neutrino Fluxes and Physics Beyond the Standard Model.*

Published in **Phys.Lett. B690 (2010) 42-47**

Co-authors: Atri Bhattacharya, Sandhya Choubey, Raj Gandhi, Atsushi Watanabe

INSPIRE Link: <http://inspirehep.net/record/834961>

3. *Ultra-high neutrino fluxes as a probe for non-standard physics.*

Published in **JCAP 1009 (2010) 009**

Co-authors: Atri Bhattacharya, Sandhya Choubey, Raj Gandhi, Atsushi Watanabe

INSPIRE Link: <http://inspirehep.net/record/858619>

4. *The Glashow resonance at IceCube: signatures, event rates and pp vs. py interactions.*

Published in **JCAP 1110 (2011) 017**

Co-authors: Raj Gandhi, Werner Rodejohann, Atsushi Watanabe

INSPIRE Link: <http://inspirehep.net/record/924174>

Pre-prints

5. *Re-analysing the implications of CPT and unitarity for baryogenesis and leptogenesis.*

E-print number: **arXiv:1109.1832 [hep-ph]**

Co-Authors: Raj Gandhi, Satyanarayan Mukhopadhyay

INSPIRE Link: <http://inspirehep.net/record/926910>

6. *On the interpretation of IceCube cascade events in terms of the Glashow resonance.*

E-print number: **arXiv:1209.2422 [hep-ph]**

Co-authors: Raj Gandhi, Werner Rodejohann, Atsushi Watanabe

INSPIRE Link: <http://inspirehep.net/record/1185185>