

Jyotirmoy Bhattacharya

Contact Information

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Personal Data

Place of birth: Maligaon, Assam,
India
Date of birth: September 18, 1983
Nationality: Indian
Marital status: Single
Gender: Male

Present Position

Graduate Student in Theoretical Physics,
Tata Institute of Fundamental Research, Mumbai.
Advisor: Prof. Shiraz Minwalla. (2005 onwards)

Education

- 2002–2005: Bachelor of Science,
Jadavpur University, Kolkata.

Awards

- Gold medal in the National Graduate Physics Examination (NGPE) 2005, conducted by the Indian Association of Physics Teachers (IAPT).

Teaching Experience

- Aug-Nov 2007 : Teaching Assistance for the course on Classical Mechanics taught by Prof. S Wadia as a part of graduate programme at Tata Institute of Fundamental Research (TIFR).
- Aug-Nov 2008 : Teaching Assistance for the course on Quantum Mechanics taught by Prof. S Gupta. as a part of graduate programme at TIFR.

Publications

- [A1] J. Bhattacharya and S. Lahiri, “Lumps of plasma in arbitrary dimensions,” arXiv:0903.4734 [hep-th].
- [A2] N. Banerjee, J. Bhattacharya, S. Bhattacharyya, S. Dutta, R. Loganayagam and P. Surowka, “Hydrodynamics from charged black branes,” arXiv:0809.2596 [hep-th].
- [A3] J. Bhattacharya and S. Minwalla, “Superconformal Indices for Chern Simons Theories,” arXiv:0806.3251 [hep-th].
- [A4] S. Bhardwaj and J. Bhattacharya, “Thermodynamics of Plasmaballs and Plasmarings in 3+1 Dimensions,” arXiv:0806.1897 [hep-th].
- [A5] J. Bhattacharya, S. Bhattacharyya, S. Minwalla and S. Raju, “Indices for Superconformal Field Theories in 3,5 and 6 Dimensions,” JHEP **0802**, 064 (2008) [arXiv:0801.1435 [hep-th]].

Talks in Conferences and Workshops

- [T1] ICTS Monsoon Workshop on String Theory,
Tata Institute of Fundamental Research, Mumbai (India),
2nd June - 8th August 2008.
Talk title: *Indices for $\mathcal{N} = 6$ superconformal Chern Simons theories*

Schools/Workshops Attended

- [SW1] The 26th Jerusalem Winter School in Theoretical Physics - Particle Physics in the Age of the LHC, The Institute of Advanced Studies, Jerusalem, Israel, Dec. 29, 2008-Jan. 8, 2009.
- [SW2] Introductory School on gauge theory/ Gravity correspondence, ICTP, Trieste, Italy, 19th-30th May 2008.
- [SW3] The 2nd Asian Winter School on String Theory, Kusatsu(Japan), 15th-25th January 2008.
- [SW4] Indian String workshop 2007, Harish-Chandra Research Institute, Allahabad (India), 15th–19th October 2007.
- [SW5] Advanced String Theory School, Institute of Physics, Bhubaneswar (India), 8th–14th October 2007.

References

- [1] Prof. Shiraz Minwalla
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