

1. **Name** : Suvadeep Bose
2. **Date of birth** : 20 December, 1979.
3. **Affiliation** : TIFR, Mumbai (Date of joining: August, 2003).
4. **Contact address** : EHEP, Office Room # D212
Tata Institute of Fundamental Research
1 Homi Bhabha Road, Mumbai 400005.
Ph : +91-0-22-2280 4545 #2480
Fax : +91-22-2280 4610/1
email : sbose@tifr.res.in
5. **Academic record** :
 - (a) Currently working in the EHEP, TIFR, under the guidance of Prof Sunanda Banerjee as a Research Scholar working in the CMS project which is part of the LHC experiment at CERN, Geneva, Switzerland.
Date of joining: August, 2004.
 - (b) Completed Second B.A. in Natural Sciences Tripos (in Physics) (Part II and III) in 2003 as an affiliated student of St Edmund's College, University of Cambridge, U.K.
 - (c) Passed B.Sc.(Honours) of Jadavpur University, Calcutta, in Physics in 2001 in 1st class with Distinction along with Chemistry and Mathematics as subsidiary subjects.
Percentage obtained in Honours (Physics): 78. *Ranked 3rd.*
 - (d) Passed Higher Secondary Examination (Std. 10+2) of West Bengal Council of Higher Secondary Education, Calcutta in 1998 in First Division with Physics, Chemistry, Mathematics and Biology.
Percentage obtained: 89.2. *Ranked 27th.*
 - (e) Passed Secondary Examination (Std. 10) of Board of Secondary Education West Bengal, Calcutta in 1996 with Physical Science, Life Science, Mathematics, History, Geography, English, Bengali and Additional Mathematics.
Percentage obtained: 94.5. *Ranked 2nd.*
6. **Research Experiences** :
 - (a) Currently working on *HCal Beam Testing with the testbeam data of 2004 of the CMS experiment at CERN* in the EHEP, TIFR, under the guidance of Prof Sunanda Banerjee. *Duration: September, 2004 -*
 - (b) Completed a project on *Development and Analysis of Double gap Glass Resistive Plate Chambers* in the Dept.of High Energy Physics, TIFR, under the supervision of Prof. N.K. Mondal. *Duration: January, 2004 - June, 2004.*

- (c) Completed a project under Dr Eugene Terentjev of Cavendish Laboratory, University of Cambridge, U.K., on *Theory of Chiral Imprinting*. We investigated the behaviour of cholesteric elastomers under different constraints. *Duration: October, 2002 - May, 2003.*
- (d) Completed a project on *A Note on the neutrino mass implication of the K2K experiment* under the guidance of Prof. Amitava Raychaudhuri, University of Calcutta. *Duration: July, 2002 - September, 2002.*
- (e) Completed a review paper on *Neutrino oscillation: Atmospheric Neutrinos* under the supervision of Prof. Bryan Webber, High Energy Physics Group of Cavendish Laboratory, Cambridge. *Duration: December, 2001 - April, 2002.*
- (f) Completed a project on *Continuous models for Interacting Systems*, precisely, the Predator-Prey Model : Lotka-Volterra systems under the guidance of Dr. Deb Sankar Ray, Professor, Indian Association for the Cultivation of Science, Calcutta. *Duration: July, 2001 - September, 2001.*
- (g) Completed a project on *Two time correlation for a noise driven Double-well oscillator in the Suzuki regime* under the guidance of Dr. J. K. Bhattacharjee, Professor, Indian Association for the Cultivation of Science, Calcutta. *Duration: September, 2000 - September, 2001.*

7. Programming experience (languages- Fortran, C ++, period of use) :

Have knowledge of programming in Fortran, C and C ++. I have been using C for the last five years. I learnt using C ++, ROOT and Geant4 for the two projects I have been recently involved in.

8. Publication :

- (a) A Note on the neutrino mass implication of the K2K experiment, S Bose and A Raychaudhuri, *Journal of Physics G: Nuclear and Particle Physics*, **29** (2003), 1069-1074 (arXiv:hep-ph/0303229).
- (b) Two time correlation for a noise driven double-well oscillator in the Suzuki regime, Suvadeep Bose and Saumyadip Samui, *Physica A: Journal of Statistical Physics*, **310** (2002), 85-90 (arXiv:nlinAO/0105059).