Name: Dr. SRUBABATI GOSWAMI

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Date of Birth : March 31, 1966,

Nationality: Indian

Present Position: Senior Professor,

Theoretical Physics Division,

Physical Research Labora- tory, Ahmedabad 380009, India.

Specialization : High Energy Physics (Neutrino Physics, Physics beyond Standard Model).

Educational Qualification: Ph. D. in Physics from University of Calcutta, 1998.

Professional Training and Research Experience:

1. Senior Professor , Physical Research Laboratory, 15.6.2018 - present
2. Professor, Physical Research Laboratory 1.1.2013 - 14.6.2018

(ii) Associate Professor, Physical Research Laboratory 16.6.2008 - 31.12.2012.

(iii) Reader, Harish Chandra Research Institute 2/2005 - 6/2008.

(iv) Humboldt Fellow, Technical University of Munich,Germany, 10/2005- 8/2006.

(v) Fellow E, Harish Chandra Research Institute, February 2003 - January 2005.

(vi) Fellow-D, Harish Chandra Research Institute, April 2002-January 2003.

Mentoring Experiences :

• Six students have been awarded Ph.D. degree and three students are currently

working towards their Ph.D degree under my supervision.

* Mentored several post-doctoral fellows and short term project students.

Awards, Fellowships received:

1. Awarded the J.C. Bose. National Fellowship. In 2020
2. Leverhulme Trust visiting Professor, Imperial college London (May-July 2019)
3. Elected as the fellow of Indian National Science Academy in 2017,
4. Elected as the fellow of Indian Academy of Sciences in 2016,
5. Elected as the Fellow of National Academy of Sciences India in 2015.

3. C. V. Raman Mahila Vijnana Puraskara, SVA-Karnataka 2016.

4. Adjunct Faculty Member, Tata Institute of Fundamental Research, 2009-2012.

5. Ramanujan Fellowship, Department of Science and Technology, 2008 (declined).

6. Dr. P. Sheel Memorial Award for young women scientists, NASI, 2006.

7. Humboldt Fellowship, Alexandar-von-Humboldt Foundation, Germany 2005.

Other Recognitions

1. Member of C11 commission of particles and fields of IUPAP for 1.1.18-31.12.20.
2. Member Executive Council of Indian Physics Assoaiation (2018-2020, 2021-23).
3. Chair, Gender in Physics Working group of IPA (since January 2021)
4. Physics Coordinator (joint) of INO with Dr. A. Dighe, since Oct. 2014.

3. Convener, INO Conference Committee since October 2014.

4. Member Editorial Board, Journal of Physics G, IOP since January 2020.

5. Is in the panel of Referees for the journals Physical Review Letters, Physical Review

D, Physics Letters B, Journal of High Energy Physics, Modern Physics Letters,

Advances in High Energy Physics, European Physical Journal C, SciPost, Progress

in Nuclear and Particle Physics.

Selected talks

1. Neutrino Physics, phenomenological and. Theoretical perspective, TeVPA, Sydney, 2019.

2. Synergy between Long baseline and Atmospheric Neutrino Experiments Invited

Review talk, PANE 2018, ICTP, May 2018.

3. Neutrino Phenomenology, Invited Plenary talk, 18th Lomonosov Conference

on Elementary Particle Physics, Moscow, Russia August 2017.

4. Status of INO, Invited Plenary talk, Neutrino 2016, London, UK, June 2016.

5. Highlights of oscillation results and future prospects, Invited Plenary talk,

U6nification day 2 workshop, University of StonyBrook, USA, October 2015.

6.Neutrino Phenomenology: Highlights of oscillation results and future prospects,

Invited Plenary talk, ICHEP, Valencia, July 2014.

7. Neutrino Oscillations and Masses ,

Invited Plenary Talk in Lepton-Photon 2005, Upsala, Sweden, June 2005.7.Global Oscillation Analysis, Invited Plenary, Talk in Neutrino 2004, Paris, June 2004.

8.Solar Neutrino Oscillation Phenomenology, Invited Plenary Talk, PASCOS03,

TIFR, January 2003.

Outreach

1. Neutrinos: The invisible messenger, Invited talk in the DST-INSPIRE camp ar-

ranged at Indrashil University, 3rd Janaury 2020.

2. The story of the Neutrino, Leverhulme Trust lecture delivered to high- school stu-

dents at Imperial College London, 19th July 2019.

3. Neutrinos: The invisible Messenger, Public talk at St Stephen's College, Delhi Uni-

versity, New Delhi, 11th February, 2019 , on the occasion of International Day of

Women and Girls in Science.

4. Neutrinos: The invisible messenger: Invited talk in the DST-INSPIRE Camp orga-

nized at Uka-Tarsadia University, September 2018.

5. Neutrinos: The invisible messenger: Invited talk in the DST-INSPIRE Camp orga-

nized at Arihant School of Pharmacy, February 2016.

Gender in Physics

1. Chair, Gender in Physics working group of Indian Physics Association (since 2021) 2.
2. Member Gender in Physics working group of Indian Physics Association (2017-2020)
3. Team Leader, Indian Country team for International Conference on Women in Physics (ICWIP) Melbourne 2020 (postponed)
4. Member, Indian Country team , ICWIP, Birmingham 2017
5. Featured in the LifeOfScience Calendar on women and transgenders in science in 2021
6. Interviewe taken by the LifeOfScience ipublished in The Wire in 2017