

Faculty Profile

1. Name: Manas Maity
2. Designation: Professor
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7. Research ID (Google Scholar, ORCID ID, Scopus ID, WOS ID, Vidwan ID, Research Gate):
 ORCID ID: <https://orcid.org/0000-0002-3237-3608>
 Vidwan: <https://vidwan.inflibnet.ac.in/profile/61233>
 Research Gate: <https://www.researchgate.net/profile/Manas-Maity>
8. Membership of Learned Societies:
9. Homepage (If any):
10. Publication Summary:
 - (a) No. of Research papers - 1415
 - (b) No. of Book Chapters - 1 (Edited and contributed to a Special Topics Issue of European Physical Journal)
 - (c) No. of Conference papers -
 - (d) h-index - 197
 - (e) i-10 index - 1365
11. Date of Joining Visva-Bharati Service: 01-November-2002
12. Education:

Degree	Year	University/Institution
Ph. D.	1997	Tata Institute of Fundamental Research - Mumbai University
M. Sc.	1989	Jadavpur University
B. Sc.	1987	Jadavpur University

13. Academic Positions held (in reverse chronological order)

Sl. No.	Positions held	Institution	Period

1	Fellow	Tata Institute of Fundamental Research, Mumbai, India	February, 1998 – April, 2002
2	Research Associate	Boston University, USA	October 2000 – September 2002
3	Reader	Visva-Bharati, Santiniketan, India	01.11.2002 – 31.12.2005
4	Associate Professor	Visva-Bharati, Santiniketan, India	0.01.2006 – 31.12.2008
5	Professor	Visva-Bharati, Santiniketan, India	01.01.2009 –
6	Visiting Scientist	Saha Institute of Nuclear Physics, Kolkata, India	01.08.2013 – 31.07.2014

14. Areas of Research: Particle Physics

15. Subject Specialization: Experimental and phenomenological studies of Standard Model Physics, Quantum Chromodynamics, Beyond the Standard Model Physics, Colliding beam experiments

16. Courses Teach / Taught:

Undergraduate Courses	Electrodynamics, Quantum Mechanics, Thermal Physics, Modern Physics, Electronics, Basic Instrumentation
Postgraduate Courses	Particle Physics, Computer Applications and Numerical Methods in Physics
Ph.D. Course-work	Particle Physics

17. Research Guidance:

- (a) No. of Postdoctoral students (Completed / Ongoing) 1
- (b) No. of Doctoral students (Completed / Ongoing) 2 completed, 2 ongoing
- (c) No. of M.Sc. Dissertations: 20+

18. Research Collaboration (National / International): L3 experiment, CERN, Geneva;
D0 experiment, Tevatron, Chicago;
CMS experiment, CERN, Geneva

19. Research Grants/Projects

Sl. No.	Project Title	PI/Co-PI	Funding Agency	Amount (Rs. Lakhs)	Completed/Ongoing
1	Standard Model and Beyond: Physics with the CMS Detector at LHC (SP/S2/K-25/96-VI)	PI	DST, Govt. of India	17.83	Completed
2	Physics Beyond the Standard Model in Collider Experiments (SR/S2/HEP-18/2003)	PI	DST, Govt. of India	1.44	Completed
3	Study of New Particles with the CMS at the Large Hadron Collider and Heavy Ion Physics with the	PI	DST, Govt. of India	282.87	Completed

	LHC at CERN – CMS Experiment (SR/MF/PS-03/2009-VB-I)				
4	India LHC Grid Collaboration – Enhancement of Regional Worldwide Computing Grid (WLCG) (SR-MF/PS-03/2008-VB-I)	PI	DST, Govt. of India	29.70	Completed
5	Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization SR/MF/PS-02/2014-VB(G)	PI	DST, Govt. of India	172.00	Completed
6	Updating and operation of Regional WLCG Grid System SR/MF/PS-03/2014-VB(G)	PI	DST, Govt. of India	26.80	Completed
7	Indian Participation in the CMS Experiment at CERN: Maintenance, Operation and Upgradation	PI	DST, Govt. of India	228.5	Ongoing

20. Professional Recognition/ Award/ Prize/Fellowship

Sl. No.	Name of Award	Awarding Agency	Year
1	JBNSTS Award	Jagadish Bose National Science Talent Search	1983
2	Research Fellowship	Tata Institute of Fundamental Research	1991
3	Research Associate	Boston University, USA	2000-2002
4	Associate	Regional Centre for Accelerated-based Particle Physics, HRI, India	2008-2011
5	Breakthrough Prize in Fundamental Physics (as a member of the CMS collaboration)	Breakthrough Prize Board	2025

21. List of Scientific Publications

See complete list at <https://inspirehep.net/authors/999174?ui-citation-summary=true>

Sl. No.	Author(s)	Title	Journal	Year	Ref. link

22. Books / Book Chapters

Sl. No.	Title	Name of Author(s)	Publisher	Year of Publication

23. Detail of Patent received (if any)

Sl. No.	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/Country

24. Talks Delivered at International / National Conferences/Seminars/Symposium:

Last updated on (dd / mm/ yyyy)