

# Curriculum Vitae of Prof. Meenakshi Narain

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**Address:** Physics Department, Brown University  
182 Hope Street, Providence, RI, 02912

## Professional Appointments:

Mar 2019-Feb 2022 Member, DOE & NSF High Energy Physics Advisory Panel  
Since May 2019 Co-Chair, Brown Data Science Initiative Campus Advisory Board  
Since June 2018 Chair, U.S. CMS Collaboration Board  
Since June 2018 Member, Management Board, CMS Experiment, CERN, Switzerland.  
Since May 2019 Co-Chair Brown Data Science Initiative Campus Advisory Board  
Mar 2019-Feb 2022 Member, DOE & NSF High Energy Physics Advisory Panel  
2018-2019 Visiting Professor, Indian Institute of Technology, Mumbai, India  
2018-2020 Adjunct Professor, NISER, Bhubaneswar, India  
2017-2020 Member, Management Board, LHC Physics Center, Fermilab  
Jan'13-Dec'16 Coordinator, LHC Physics Center, Fermilab  
Since Oct 2016 Affiliate Faculty, Data Science Initiative, Brown University  
July 2010 Professor, Brown University  
Jan'07-June'10 Associate Professor, Brown University  
Jun-Aug 2008 Visiting Researcher, IPHC, Strasbourg, France.  
Sep-Dec 2006 Fellow, Radcliffe Institute for Advanced Studies, Harvard University  
Apr-Aug 2006 Visiting Scientist, Albert-Ludwigs-Universitat, Freiburg  
2004-2006 Associate Professor, Boston University  
1999-2004 Assistant Professor, Boston University  
1998-1999 Visiting Professor, Boston University  
1995-1999 Wilson Fellow, Fermi National Accelerator Laboratory, IL  
1991-1995 Postdoctoral Research Associate, FNAL

## Education:

1991 Ph.D. in Physics from State University of New York, Stony Brook  
Thesis Topic: "Inclusive Photon Spectra from Upsilon States"  
Thesis Advisor: Late Professor Juliet Lee-Franzini  
1984 M.Sc. in Physics, Indian Institute of Technology, Kanpur, India  
1982 B.Sc. with Honours, Gorakhpur University, Gorakhpur, India

## Grants and Awards:

2020. Distinguished Alumnus Award, Indian Institute of Technology, Kanpur.  
2021. Gorakhpur Ratna, by the Uttar Pradesh State Chief Minister Yogi Adityanath,  
Since 1998 – Continuous funding from Department of Energy  
2020. Distinguished Alumnus Award, Indian Institute of Technology, Kanpur, India  
2012 LHC Physics Center Fellow, Fermilab  
2007 Elected Fellow of the American Physical Society.  
2008 Career Development Award by the ADVANCE program at Brown  
2006 Fellowship Program, Radcliffe Institute of Advanced Studies  
2004 Major gift from the Xilinx Foundation for the D0 Level-1 Central Track Trigger  
2002 NSF Major Research Infrastructure for D0 Level-1 Central Track Trigger  
2000 NSF Faculty Early Career Development Award (CAREER)  
2000 DOE Outstanding Junior Investigator Award  
1999 NSF Major Research Infrastructure Grant for the Silicon Track Trigger  
1998 Outstanding Junior Investigator, Department of Energy

**Selected Professional Activities and HEP Community Service:**

Since January 2020 – Co-convener of Energy Frontier group of the Snowmass 2021 Community Study sponsored by APS/DPF

Since May 2020 - Member of High Energy Physics Advisory Committee

2020 USCMS S&C postdoctoral fellowship selection committee

2019 - Panel member, “Higgs boson as a new tool for discovery”, DOE “Basic research needs workshop for Instrumentation”, 2019.

2019 Member USATLAS Phase II upgrade NSF MREFC internal review committee

November 2018 – Member, DOE/SC Status Review of the DESI Project

Sep 2017-Oct 2018 Founding Chair, Diversity Committee, CMS Experiment, Switzerland.

Since 2018 Member – LHC Physics Center Management Board

2018 Member, APS DPF Fellowship Selection Committee

2017-2018 Member, APS DPF Panofsky Prize Selection Committee

Since 2016 L3 manager for U.S.CMS HL-LHC Outer Tracker Modules

Since 2015 PI of the Brown HEE group to the CMS collaboration Board.

2016-2018 Convener Upgrade Physics & Performance Studies Group (HL-LHC)

Since May 2019 Chair, Brown University Campus Advisory Board of the Data Science Initiative

Since 2018 Faculty Advisor Brown University Physics WiSE Group

Since Jan 2018 Member, Brown University Research Computing Advisory Committee

AY 2016-2019 Brown University Physics Department Diversity Representative

Since 2017 Brown University Graduate WiSE Advisory Committee

**Supervision of Postdoctoral Fellows: 19****Supervision of Graduate Students: 14****Supervision of Undergraduate and Masters Students: 35+****Public Outreach, Conference and Workshop Organization:**

- Organizer and Founder: “Big Bang Science Fair”, an annual event at the WaterFire Providence, a public outreach event to promote appreciation of Science to the community (4000+ visitors). <https://waterfire.org/big-bang-science-fair-at-waterfire-providence-on-september-22-2018/>  
<https://waterfire.org/schedule/2019-waterfire-providence-event-schedule/>
- Co-Chair, “Windows on the Universe”, Conference to commemorate 25<sup>th</sup> anniversary of Rencontres du Vietnam & 5<sup>th</sup> Anniversary of the ICISE, Aug 2018, Quy Nhon, Vietnam.
- Co-organizer of “Physics at the Future Colliders” sessions at the International LHCP 2017 conference, Shanghai, China May 2017.
- Brown University Organizer and Liaison to “2016 Leadership Conference”, August 2016, RICC, Providence, RI.
- Co-Organizer of “Women in technology” and “Poster session on science and technology partnership”, at the 2016 Leadership Conference, August 2016, RICC, Providence, RI.
- Co-Organizer “Pathways”, Boston University, MA

**Public Lectures:**

- “The Early Universe and the Large Hadron Collider”, Brown Alumni Club, Vero Beach, Florida, January 2018.
- “The Early Universe and the Large Hadron Collider”, Lotus Valley International High School, New Delhi, India, January 2016.

- “The Higgs Boson Discovery and its Implications” at the Rencontres de Moriond QCD and High Energy Interactions, La Thuile, Italy, March 9-16, 2013
- Inaugural Lecture/Conversation, Tougaloo College (MS) students virtual science workshop series ‘Origins’: “The Big Bang Occurred.... Then What ??”, April 19, 2013.
- “Journey to the Early Universe”, Brown University, Providence, RI, June 13, 2012.
- **“Journey to the Early Universe”, TEDx Moses Brown, Providence, RI, April 19, 2012.**
- NOVA, ScienceNow Magazine, July 10 2007, “CERN -The Big Deal”.  
(<http://www.pbs.org/wgbh/nova/sciencenow/3410/02.html>)  
(<http://www.pbs.org/wgbh/nova/scienceno bigdeal.html>)

**Invited Talks, Lectures at Schools, and Conference Presentations (since 2006): 75+**

**Journal Publications of Meenakshi Narain:** 850+ publications in leading peer reviewed journals (about 550+ in the most prestigious journals Physical Review Letters and Journal of High Energy Physics).