

**Curriculum Vitae: Raju Venugopalan**

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**Education and Training:**

B.S. in Physics, University of Chicago, (June 1987), Undergraduate Mentor: Ugo Fano

Ph.D. in Physics, Stony Brook (August 1992), Graduate Mentors: Gerry Brown, M. Prakash

Research Associate, Theoretical Physics Institute, Univ. of Minnesota, Minneapolis, MN  
(September 1992-August 1994)

Research Associate, National Institute for Nuclear Theory, Univ. of Washington, Seattle, WA  
(September 1994-December 1996)

Royal Danish Research Council Fellow, Niels Bohr Institute, Copenhagen, Denmark  
(January 1997-September 1998)

**Research and Professional Experience**

*Group Leader, BNL Nuclear Theory Group*

(June 2010-July 2015; October 2016-October 2021)

Supervised a group of 20 scientists including senior staff, postdoctoral fellows and graduate students. A 2013 DOE Comparative Review gave my group the top-rating amongst 62 DOE supported university and national lab groups

*Director, BNL EIC Theory Institute*

(October 2022 -)

I am the Director of the EIC Theory Institute at BNL (<https://www.bnl.gov/eic-theory/>) which conducts vibrant program of senior and junior long-term visitors, meetings, workshops and schools to broaden and deepen the science of the Electron-Ion Collider

*Co-chair, Steering Committee, Joint Stony Brook-BNL Center for Frontiers in Nuclear Science (CFNS, 2018-)*

I help coordinate the diverse activities of the CFNS Center (<https://www.stonybrook.edu/cfns/>) which includes Workshop Organization, Mentoring of Fellows, and Community Outreach

*Co-PI, Simons Foundation Collaboration on Confinement and QCD Strings*

(2022-2026) <https://simonsconfinementcollaboration.org>

I am one of 12 co-PI's of this Grant (with my Stony Brook affiliation) from the Simons Foundation to make progress on an outstanding problem (QCD confinement) in physics

*Theory Sub-thrust Leader, Co-design Center for Quantum Advantage (C<sup>2</sup>QA)*

(BNL, July 2020-April 2022) <https://www.bnl.gov/quantumcenter/>

I developed the C<sup>2</sup>QA proposal and co-ordinated theory activities in quantum information science across multiple institutions that are part of the center. I continue as co-PI of the Center

*External Member, Collaborative Research Center ISOQUANT,*

(Heidelberg Germany, 2016-2028)

<https://www.isoquant-heidelberg.de>

The ISOQUANT team investigates far-from-equilibrium phenomena across wide energy scales ranging from heavy-ion-collisions ( $T=10^{12}$  Kelvin) to ultracold atomic gases ( $10^{-9}$  K)

*Editor, Physics Reports (2025-)*

I am an Editor of this prominent review journal

*Co-Editor, Annals of Physics*

I was co-Editor of this well-known theoretical physics journal from 2013-2024

*Excellence Initiative Guest Professor,*

Institute for Theoretical Physics, Heidelberg University, Germany (Sept. 2015-Sept. 2016)

*Senior Scientist, BNL*

(BNL, March 2007-September 2022; *Distinguished Senior Scientist* October 2022-)

*Adjunct Professor, Stony Brook University (March 2009-present)*

*Scientist with Tenure, BNL*

(June 2002-March 2007; Asst., Assoc. and Scientist appointments, October 1998-May 2002)

### **Key Honors and Awards**

Royal Society Wolfson Visiting Fellow at the Univ. of Edinburgh, UK (October 2025-December 2026)

<https://royalsociety.org/grants/royal-society-wolfson-visiting-fellowship/>

Senior Faculty Associate, International Center for Theoretical Sciences (ICTS-TIFR), Bengaluru, India (2025-2028)

<https://www.icts.res.in/people/raju-venugopalan>

Honorary Visiting Prof., Univ. of Witwatersrand (WITS), South Africa, 2024-2027

Co-PI of Simons Foundation Grant on Confinement and QCD Strings (2022-2026)

<https://simonsconfinementcollaboration.org>

Distinguished Visiting Scientist Grant, Ben-Gurion University, Israel (May-June 2022)

Co-author of Phys. Rev. D 50<sup>th</sup> Anniversary Milestone Paper (2020): <https://journals.aps.org/prd/50th>

Suffolk County NY Distinguished Asian American Award (2019)

BNL Science & Technology Award (2018)

Humboldt Research Award ("Humboldt Prize", October 2016 -)

<https://www.bnl.gov/newsroom/news.php?a=111897>

Excellence Initiative Award and Chair Professorship, Heidelberg University (2014-2016)

Fulbright Senior Specialist Award (2012)

Fellow of the American Physical Society (2007-)

A. Von Humboldt Foundation US Research Fellow (2004-2005)

Fellow RIKEN-BNL Research Center (2000-2003)

Univ. of Chicago Undergraduate Scholarship (1984-1987)

### **Scientific Activity: Highlights**

Author of **185** published papers with ~**29,800** citations (INSPIRE) -- amongst most highly cited in peer group worldwide. Bulk of papers (177) are few-authored (< 10) works. H-index of **84**

<https://inspirehep.net/literature?sort=mostrecent&size=25&page=1&q=find%20a%20venugopalan%2Cr&ui-citation-summary=true>

(In the Google Scholar database, I am cited ~**36,900** times with an H-index of **93**.)

Since January 2010, I published 100 papers (22 Letter publications), cited > 14,750 times: comparable to highest cited nuclear, particle and condensed matter theorists worldwide  
(See Table 10, <https://arxiv.org/pdf/1803.10713.pdf> (updated 01/01/2021)  
ranking “*physicists considered most esteemed*”)

Most highly cited paper has 2415 citations (*PRD 50<sup>th</sup> Anniversary Milestone paper*,  
<https://journals.aps.org/prd/50th>).

Three other (few authored) papers with 1000+ citations, 3 with 500+ citations, 22 with 250+ citations, 41 with 100+ citations and 45 with 50+ citations

50+ Departmental Colloquia, 14 Lecture Series, ~200 Keynote, Plenary & Invited talks, and Seminars (since 2005)

Co-Author of May 2015 feature article “The glue that binds us all”, in Scientific American (widely translated worldwide and *cover story* of French Edition)