

Anže Slosar

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Professional development

2022 - Distinguished Physicist with Tenure, Group Leader for Cosmology and Astrophysics Group
Brookhaven National Laboratory

2015 - 2022 Physicist with Tenure, Group Leader for Cosmology and Astrophysics Group
Brookhaven National Laboratory

2009 - 2015 Assistant Physicist (2009), Associate Physicist (2011), Physicist (2014)
Brookhaven National Laboratory

2007 - 2009 Inaugural Fellow (5 year position)
Berkeley Center for Cosmological Physics,
University of California Berkeley & Lawrence Berkeley National Laboratory

2006 - 2007 Postdoctoral Research Assistant
Oxford Astrophysics, Department of Physics,
University of Oxford, United Kingdom

2004 - 2006 Postdoctoral Fellowship
Faculty of Mathematics and Physics
University of Ljubljana, Slovenia

Education

2000 - 2003 Ph. D. Astrophysics
Astrophysics Group, Cavendish Laboratory & St John's College,
University of Cambridge, United Kingdom.
Title of dissertation: Cosmology with the Very Small Array.
Supervisors: Dr. K. J. B. Grainge, Dr. M. E. Jones.

1996 - 2000 B. A. Hons. M. Sci. Natural Sciences
Sidney Sussex College, University of Cambridge, United Kingdom.
First Class (grade) in all years.

Grants and Awards

2021 - PI of BNL Program Development "LuSEE at Night", total ~ \$440k

2021 - Co-PI of BNL Program Development "Astrophysics and Cosmology: Strategic response to the priorities of the ASTRO2020 Decadal Survey", total ~ \$1 million

2017 - Co-PI of funded SciDAC proposal "Accelerating HEP Science: Inference and Machine Learning at Extreme Scales", total ~ \$1.4 million

2019 - Full Professor (Habilitation), University of Ljubljana

2017 - 2020 Honorary Professor, University College London

2016 - 2018 Two BNL Laboratory Directed Research and Development grants for development of 21-cm cosmology techniques

2012 Selected one of the *Brilliant Ten* by the *Popular Science Magazine*

2011 - 2016 Department of Energy *Early Career* Award, \$2.5 million award for young tenure track scientists

2012 - 2014 Co-PI of funded SciDAC proposal "Computation-Driven Discovery for the Dark Universe" (\$350k)

2009 - 2014 Visiting Scholar, Columbia University

2007 - 2012 Inaugural Fellowship, Berkeley Center for Cosmological Physics

Leadership Roles

- Roles in LuSEE-Night:
 - Successfully co-lead the BNL bid for lead laboratory
 - Science Lead (2022-), Operations Lead (2023-)
- Roles in LSST:
 - Analysis Coordinator for LSST DESC (2019-2021)
 - Invited member of the *Science Advisory Committee* of LSST project (2016-)
 - Elected member of the *LSST Dark Energy Science Collaboration Council* (2015-2017)
 - Co-convener of LSST DESC Large Scale Structure Working Group (2016-2019)
- Roles in BOSS/eBOSS:
 - Co-convener of the Lyman- α Cosmology Working Group in BOSS (2009-2012, 2014-2016)
 - Co-convener of the Lyman- α Cosmology Working Group in eBOSS (2018-2020)
- Roles relevant to funding agencies and communities:
 - Lead author for “LuSEE at Night” report to Department of Energy (2020)
 - Co-convener to the Snowmass CF4 (Modern Universe) topical subgroup (2019-)
 - Lead author to several science and project submission to Decadal Survey of Astronomy & Astrophysics, including the umbrella Dark Energy Science white-paper endorsed by all major collaborations and the PUMA project submission
 - Invited member of Department of Energy *Cosmic Visions Dark Energy* committee (2014-2020)
 - Invited member of the NASA *Cosmic Dawn Science Interest Group Steering committee* (2018)
 - Invited member of the *Particle Data Group Steering Committee* responsible for Cosmology (2012-2018)
 - Proposal reviewer for NASA (Theory and Fundamental Physics), Department of Energy (Early Career Awards, Comparative Review of Experimental Research at the Cosmic Frontier)

Research Experience and Service

- Bibliographic Summary
 - over 150 papers published in or accepted to refereed journals
 - 50 papers with > 100 citations according InSpireHEP
 - Cited over 30,000 times (Google Scholar)
- Refereed for *Physical Review Letters (PRL)*, *Physical Review D (PRD)*, *Journal of Cosmology and Astroparticle Physics (JCAP)*, *Astrophysics Journal (ApJ)*, *Monthly Notices of Royal Astronomical Society (MNRAS)*, *New Astronomy*
- Invited colloquia and seminars at numerous universities (including in USA: Berkeley, Cornell, Chicago, Columbia, Harvard, NYU, Ohio State, Penn, Princeton, Yale, Stanford; in UK: Cambridge, Imperial College, Oxford, UCL; elsewhere: “La Sapienza” (Rome), Tokyo), national laboratories (including Fermilab, JPL, Los Alamos, CEA Saclay) and research institutions (including Institute of Advanced Study (Princeton), Canadian Institute for Theoretical Astrophysics (CITA), Chinese National Academy of Sciences Beijing, International Centre for Theoretical Physics (ICTP), MPI Heidelberg, Perimeter Institute).

Teaching and Public Outreach experience

- 2012 - Supervised over 20 SULI (Science Undergraduate Laboratory Internship) and HSRP (High School Research Program) students
- 2010 - Experience and involvement in preparing press releases and web articles for both experiments (BOSS, eBOSS, LSST) as well as BNL
- 2007 - 2010 Founding member of the citizen science project *Galaxy Zoo*; heavily involved with press relations and user interaction