

Mathew Syriac Madhavacheril

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Education	<p>Stony Brook University, Stony Brook, NY <i>PhD (expected)</i>, Physics</p> <p>University of Cambridge, Cambridge, UK <i>BA Affiliated</i>, Part II and Part III Physics, First Class, 2011</p> <p>St. Stephen's College, University of Delhi, New Delhi, India <i>BSc. (Hons.)</i>, Physics, First Class, 2009</p>
Research Interests	<p>Cosmology and particle astrophysics; data analysis and theory CMB lensing; optical weak lensing and shear estimation; joint CMB/optical probes Galaxy clusters; growth of structure Astrophysical probes of particle dark matter</p>
Awards and Grants	<ul style="list-style-type: none">• Astronomical Society of New York (ASNY) Graduate Student Paper Prize (2015)• LSST-DESC Student Travel Grant (2015)• <i>Editor's Suggestion</i> and <i>Viewpoint in Physics</i> pick for first-author paper in <i>Physical Review Letters</i>• H. B. Silsbee Award for Excellence, Physics Department, Stony Brook University• Jonathan Kauffman Student Excellence Prize in Physics, Physics Department, Stony Brook University• Gates Cambridge Scholarship, University of Cambridge ¹• Jennings Prize, Wolfson College, University of Cambridge• Usha-India Physics Prize, Physics Department, St. Stephen's College, Delhi• Science Meritorious Award, University of Delhi
Teaching Experience	<ul style="list-style-type: none">• Co-adviser for undergraduate researcher Danylo Yakymiv at Stony Brook University (2015)• Teaching Assistant, Stony Brook University (2011 - 2013)• Faculty, Cambridge Tradition and Cambridge Prep Summer Schools, Oxbridge Academic Programs, UK (2011, 2012)
Professional Service	<ul style="list-style-type: none">• Remote Observing Coordinator (ROC) for ACTPol observations since 09/14• Visited the ACTPol telescope site on Cerro Toco, Chile, 12/13 to help with site operations
Talks and Posters	<ul style="list-style-type: none">• LSST-DESC Meeting Theory and Joint Probes Work Update, Argonne National Lab, US 10/15• Astrophysics Seminar, Imperial College, UK 09/15• Astrophysics Seminar, University College London, UK 09/15• Institute of Astronomy Seminar, University of Cambridge, UK 09/15• Oxford Astrophysics Seminar, University of Oxford, UK 09/15• Contributed Talk at Cosmology Meeting 2015, Barcelona 09/15

¹<https://www.gatescambridge.org/about>

- Joint Stony Brook / Brookhaven National Lab Cosmology Seminar, NY 06/15
- Seminar at Canadian Institute for Theoretical Astrophysics, Toronto 05/15
- Seminar at Perimeter Institute for Theoretical Physics, Waterloo, Canada 05/15
- Yang Institute for Theoretical Physics Seminar, Stony Brook, NY 02/15
- Department of Astronomy Seminar, Columbia University, NY 02/15
- Cosmology Lunch Seminar, Princeton University, NJ 01/15
- CMB Polarization 2015, Minneapolis, MN (Poster) 01/15
- Department of Physics & Astrophysics Seminar, University of Delhi, India 08/14
- PCTS Dark Matter Workshop (Poster), Princeton University, NJ 10/13

References

Prof. Neelima Sehgal
 Dr. Anže Slosar
 Prof. David Spergel

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