

ChangHoon Hahn

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Education

- Ph.D. 2017 Department of Physics, New York University
(Expected) *Advisors* : Michael R. Blanton and Roman Scoccimarro
- M.Sc. 2013 Department of Physics, New York University
 Advisors : Michael R. Blanton and Roman Scoccimarro
- B.Sc. 2011 Department of Physics and Astronomy, Rutgers University
 Advisor : Andrew J. Baker
 Thesis : Obscuration in Host Galaxies of Active Galactic Nuclei

Publications

- ChangHoon Hahn**, Romam Scoccimarro, Michael R. Blanton, Jeremy L. Tinker, Sergio Rodríguez-Torres
The Effect of Fiber Collisions on the Galaxy Power Spectrum Multipole
[arXiv:1609.01714](#) 2016, Submitted to MNRAS.
- Zhongxu Zhai, Jeremy L. Tinker, **ChangHoon Hahn**, et al.
The clustering of luminous red galaxies at $z \sim 0.7$ from eBOSS data
[arXiv:1607.05383](#) 2016, Submitted to ApJ.
- ChangHoon Hahn**, Mohammadjavad Vakili, Kilian Walsh, Andrew P. Hearin, David W. Hogg, Duncan Campbell
Approximate Bayesian Computation in Large Scale Structure: Constraining the Galaxy-Halo Connection
[arXiv:1607.01782](#) 2016, Submitted to MNRAS.
- Sergio A. Rodríguez-Torres, Chia-Hsun Chuang, Francisco Prada, Hong Guo, Anatoly Klypin, **ChangHoon Hahn**, et al.
The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: Modeling the clustering and halo occupation distribution of CMASS galaxies in the Data Release 12
[arXiv:1509.06404](#) 2016, MNRAS, 460, 1173.
- ChangHoon Hahn**, Michael R. Blanton, John Moustakas, Alison L. Coil, Richard J. Cool, Daniel J. Eisenstein, Ramin A. Skibba, Kenneth C. Wong, Guangtun Zhu
PRIMUS: Effects of Galaxy Environment on the Quiescent Fraction at $z < 0.8$
[arXiv:1412.7162](#) 2015, ApJ, 806, 162.
- ChangHoon Hahn**, Jerry A. Sellwood, Carlton Pryor
Velocity-space substructure from nearby RAVE and SDSS stars
[arXiv:1102.4626](#) 2011, MNRAS, 418, 2459.

Presentations

- 08/2016 – *Mapping the Pathways of Galaxy Transformation Across Time and Space* (Poster)
06/2016 – *Universidad Nacional de Columbia* (Invited Talk)
06/2016 – *Statistical Challenges in Modern Astronomy VI* (Poster)
04/2016 – *Center for Cosmology and Particle Physics NYU* (Brown Bag Talk)
07/2015 – *SDSS-IV Collaboration Meeting* (Contributing Talk)
02/2015 – *Multi-Object Spectroscopy in the Next Decade* (Contributing Talk)
12/2014 – *BOSS/eBOSS Collaboration Meeting* (Contributing Talk)
09/2014 – *Evolving Galaxies in Evolving Environments* (Contributing Talk)
08/2014 – *Center for Cosmology and Particle Physics NYU* (Brown Bag Talk)

Awards and Honors

2016 - 2017	NYU GSAS Dean's Dissertation Fellowship
2016	Poster Contest winner at <i>Mapping the Pathways of Galaxy Transformation Across Time and Space</i>
2015 - 2016	NYU GSAS Dean's Student Travel Grant
2015 - 2016	James Arthur Graduate Fellowship
2014 - 2015	NYU GSAS Dean's Student Travel Grant
2011 - 2014	MacCracken Fellowship
2011	<i>Honors in Astronomy</i> - SAS Paul Robeson Scholar