Lingyuan Ji

Bloomberg 455
3400 North Charles Street
Baltimore, MD 21218
United States of America

Email: lingyuan.ji@jhu.edu
URL: lingyuanji.github.io

Education

2017–Present PURSUING PH.D., *Johns Hopkins University, Department of Physics and Astronomy.*
Advisor: Prof. Marc Kamionkowski

2013-2017 B.SC., *University of Science and Technology of China, Department of Physics.*
Thesis: Spinor's Cosmological Perturbation Theory Based on Coherent States
Advisors: Prof. Antonino Marciano, Prof. Yifu Cai

Teaching

2019 Spring TEACHING ASSISTANT, *AS.171.205 Intro to Practical Data Science: Beautiful Data*
Lecturer: Prof. Alexander Szalay

2018 Fall TEACHING ASSISTANT, *AS.171.646 General Relativity*
Lecturer: Prof. David Kaplan

2018 Spring TEACHING ASSISTANT, *AS.171.627 Astrophysical Dynamics*
Lecturer: Prof. Nadia Zakamska

2017 Fall TEACHING ASSISTANT, *AS.171.107 General Physics for Physical Sciences Majors (AL)*
Lecturer: Prof. Robert Leheny & Prof. Rosemary Wyse

2017 Fall TEACHER, *AS.173.111 General Physics Laboratory I*

Awards

2016 NATIONAL SCHOLARSHIP, *Ministry of Education P.R.C.*

2015 GLOBAL RESPONSIBILITY SCHOLARSHIP, *University of Science and Technology of China.*

2014 NATIONAL SCHOLARSHIP, *Ministry of Education P.R.C.*

Talks

2021 Mar INVITED, *Standard Model Prediction for Cosmological 21cm Circular Polarization*, BSM PANDEMIC Double Feature

Publication

[1] **Lingyuan Ji**, Marc Kamionkowski, and Keisuke Inomata. Standard model prediction for cosmological 21 cm circular polarization. *Phys. Rev. D*, 103(2):023516, 2021, 2005.10250.

[2] **Lingyuan Ji** and Marc Kamionkowski. Reheating constraints to WIMP inflation. *Phys. Rev. D*, 100(8):083519, 2019, 1905.05770.

[3] Cyril Creque-Sarbinowski, **Lingyuan Ji**, Ely D. Kovetz, and Marc Kamionkowski. Direct millicharged dark matter cannot explain the EDGES signal. *Phys. Rev. D*, 100(2):023528, 2019, 1903.09154.

[4] **Lingyuan Ji**, Ely D. Kovetz, and Marc Kamionkowski. Strong Lensing of Gamma Ray Bursts as a Probe of Compact Dark Matter. *Phys. Rev. D*, 98(12):123523, 2018, 1809.09627.