

Gabriela Sato-Polito

Curriculum Vitae

PERSONAL INFORMATION	Full Name: Gabriela Satie Sato-Polito e-mail: gsatopo1@jhu.edu, gsatopolito@gmail.com William H. Miller III Department of Physics and Astronomy Johns Hopkins University 3400 North Charles Street, Baltimore, MD 21218	
EDUCATION	University of São Paulo , São Paulo, Brazil <i>Bachelor of Science</i> , Molecular Sciences, August 2018	GPA: 8.3/10.0
	Johns Hopkins University , Baltimore, MD, USA <i>PhD candidate</i> , Physics and Astronomy, Expected 2023	
AWARDS AND FELLOWSHIPS	National Science Foundation Graduate Research Fellow Dates: 2020 – present Owen Fellowship Award ; Johns Hopkins University Dates: 8/2018 – 8/2020 Summer Undergraduate Research Fellowship ; California Institute of Technology and Jet Propulsion Laboratory (JPL) Dates: 6/2017 – 8/2017 Undergraduate Research Fellowship (Iniciação Científica); São Paulo Research Foundation (FAPESP) Dates: 12/2016 – 2/2018	
TEACHING	Electricity and Magnetism Laboratory Classical Mechanics Laboratory General Physics II for Physical Science Majors General Physics Laboratory II General Physics I for Biological Science Majors General Physics Laboratory I	<i>Spring 2020</i> <i>Fall 2019</i> <i>Spring 2019</i> <i>Spring 2019</i> <i>Fall 2018</i> <i>Fall 2018</i>
PROFESSIONAL SERVICE	Committee for Diversity and Inclusion , Department of Physics and Astronomy, Johns Hopkins University Dates: 2021 – present Peer review : ApJ	
PROFESSIONAL DEVELOPMENT	Justice, Equity, Diversity and Inclusion Training , Krieger School of Arts Sciences and the Teaching Academy, Johns Hopkins University Dates: 9/2021	
OUTREACH	Physics Fair at the Department of Physics and Astronomy, JHU	2018, 2019
	Youth in Astronomy and Engineering at the Department of Physics and Astronomy, JHU	2019

ARTICLES

1. Neha Anil Kumar, **Gabriela Sato-Polito**, Marc Kamionkowski, Selim C. Hotinli. Primordial trispectrum from kSZ tomography. arXiv:2205.03423, 2022.
2. José Luis Bernal, **Gabriela Sato-Polito**, Marc Kamionkowski. The cosmic optical background excess, dark matter, and line-intensity mapping. arXiv:2203.11236, 2022.
3. **Gabriela Sato-Polito**, José Luis Bernal. Analytical covariance between voxel intensity distributions and line-intensity mapping power spectra. arXiv:2202.02330, 2022.
4. **Gabriela Sato-Polito**, Marc Kamionkowski. Pulsar-timing measurement of the circular polarization of the stochastic gravitational-wave background. arXiv:2111.05867, 2021.
5. **Gabriela Sato-Polito**, José Luis Bernal, Kimberly K. Boddy, Marc Kamionkowski. Kinetic Sunyaev-Zel'dovich tomography with line-intensity mapping. Phys.Rev.D 103 (2021) 8, 083519.
6. Beatriz Tucci, Antonio D. Montero-Dorta, L. Raul Abramo, **Gabriela Sato-Polito**, M. Celeste Artale. The physical origins of low-mass spin bias. Mon.Not.Roy.Astron.Soc. 500 (2020) 3, 2777-2785.
7. **Gabriela Sato-Polito**, José Luis Bernal, Ely D. Kovetz, and Marc Kamionkowski. Antisymmetric cross-correlation of line-intensity maps as a probe of reionization. Phys. Rev. D 102 (2020) 4, 043519.
8. Antonio D. Montero-Dorta, M. Celeste Artale, L. Raul Abramo, Beatriz Tucci, Nelson Padilla, **Gabriela Sato-Polito**, Iván Lacerna, Facundo Rodríguez, and Raul E. Angulo. The manifestation of secondary halo bias on the galaxy population from IllustrisTNG300. Mon. Not. Roy. Astron. Soc. 496 (2020) 2, 1182-1196.
9. **Gabriela Sato-Polito**, Ely D. Kovetz, and Marc Kamionkowski. Constraints on the primordial curvature power spectrum from primordial black holes. Phys.Rev.D 100 (2019) 6, 063521.
10. **Gabriela Sato-Polito**, Antonio D. Montero-Dorta, L. Raul Abramo, Francisco Prada, and Anatoly Klypin. The dependence of halo bias on age, concentration and spin. Mon.Not.Roy.Astron.Soc. 487 (2019) 2, 1570-1579.

TALKS

BCCP Vipolže Workshop	7/2022
BCCP Reionization Workshop, UC Berkeley	3/2022
SAZERAC conference on CMB+EoR	4/2021
Large-Scale Structure Workshop (virtual), Granada, Spain	11/2017
Summer Symposium, Jet Propulsion Laboratory	8/2017

REFERENCES

Marc Kamionkowski
William R. Kenan Jr. Professor
Department of Physics and Astronomy
 Johns Hopkins University
 (+1) 410-516-0373
kamion@jhu.edu

Emanuele Berti
Professor, Department of
Physics and Astronomy
 Johns Hopkins University
 (+1) 410-516-2535
berti@jhu.edu

Ely D. Kovetz
Senior Lecturer
Department of Physics
 Ben-Gurion University
 (+972) 545-953349
kovetz@bgu.ac.il

Kimberly K. Boddy
Assistant Professor
Department of Physics
 The University of Texas at Austin
 (+1) 512-471-5430
kboddy@physics.utexas.edu