

Gabriela Sato-Polito

Curriculum Vitae

PERSONAL INFORMATION

Full Name: Gabriela Satie Sato-Polito
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William H. Miller III Department of Physics and Astronomy
Johns Hopkins University
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EDUCATION

Johns Hopkins University, Baltimore, MD, USA
PhD candidate, Physics and Astronomy, Expected 2023

University of São Paulo, São Paulo, Brazil
Bachelor of Science, Molecular Sciences, August 2018

GPA: 8.3/10.0

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	<i>Spring 2020</i>
Classical Mechanics Laboratory	<i>Fall 2019</i>
General Physics II for Physical Science Majors	<i>Spring 2019</i>
General Physics Laboratory II	<i>Spring 2019</i>
General Physics I for Biological Science Majors	<i>Fall 2018</i>
General Physics Laboratory 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	<i>2018, 2019</i>
Youth in Astronomy and Engineering at the Department of Physics and Astronomy, JHU	<i>2019</i>

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

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