

Dr. MARIA ELIDAIANA DA SILVA PEREIRA

PERSONAL DATA

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WORK EXPERIENCE

08/2021–08/2024	Post-Doc, University of Hamburg
09/2020–07/2021	Post-Doc, University of Michigan
10/2017–08/2020	Post-Doc, Brandeis University

EDUCATION

03/2013–09/2017	Doctor of Philosophy in Physics Brazilian Center for Research in Physics (CBPF)
03/2011–07/2015	Bachelor of Education in Physics Rio de Janeiro State University (UERJ)
03/2010–12/2012	Master of Science in Physics CBPF
03/2005–02/2010	Bachelor of Science in Physics UERJ

SELECTED PUBLICATIONS

- Johnny H. Esteves, **Maria E. S. Pereira** et al., *Copacabana: A Probabilistic Membership Assignment Method for Galaxy Clusters*. Submitted to MNRAS. Jan 2024. [[arXiv](#) | [ADS](#)]
- Agüena et al., *Building an Efficient Cluster Cosmology Software Package for Modeling Cluster Counts and Lensing*. ArXiv e-prints: 2309.06593. Sep 2023. [[arXiv](#) | [ADS](#)]
- Alex G. Kim, Antonella Palmese, **Maria E. S. Pereira** et al., *Snowmass2021 Cosmic Frontier CF6 White Paper: Multi-Experiment Probes for Dark Energy – Transients*. ArXiv e-prints: 2203.11226. Snowmass 2021 White Paper. Mar 2022. [[arXiv](#) | [ADS](#)]
- **M. E. S. Pereira** et al., μ_* Masses: *Weak Lensing Calibration of the Dark Energy Survey Year 1 redMaPPer Clusters using Stellar Masses*. MNRAS, 498: 5450–5467, Sep 2020. [[arXiv](#) | [ADS](#)]
- A. Palmese, J. de Vicente, **M. E. S. Pereira** et al., *A statistical standard siren measurement of the Hubble constant from the LIGO/Virgo gravitational wave compact object merger GW190814 and Dark Energy Survey galaxies*. ApJL, 900, 2–L33, Sep 2020. [[arXiv](#) | [ADS](#)]
- The DES Collaboration, the LIGO Scientific Collaboration, the Virgo Collaboration, M. Soares-Santos, A. Palmese, W. Hartley, J. Annis, J. Garcia-Bellido, O. Lahav, Z. Doctor, H. Lin, M. Fishbach, **M. E. S. Pereira** et al., *First measurement of the Hubble constant from a dark standard siren using the Dark Energy Survey galaxies and the LIGO/Virgo binary-black-hole merger GW170814*. ApJL, 876, 1–L7, Apr 2019. [[arXiv](#) | [ADS](#)]
- **M. E. S. Pereira**, M. Soares-Santos, M. Makler, J. Annis, G. B. Caminha, T. Erben, H. Lin, B. Moraes, A. Palmese, H. Shan, A. Z. Vitorelli and B. Welch. *Weak-lensing calibration of a stellar mass-based mass proxy for redMaPPer and Voronoi Tessellation clusters in SDSS Stripe 82*. MNRAS, 474: 1361–1372, Feb 2018. [[arXiv](#) | [ADS](#)]

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