

Pol Massana

Astrophysics Research Group, Department of Physics

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Education

- 2020 **Ph.D. in Astronomy** (expected)
University of Surrey, Guildford, UK
Thesis: The SMC as a probe for galaxy evolution
Supervisor: Noelia E. D. Noël
- 2017 **Masters in Astrophysics and Cosmology**
Universitat de Barcelona, Barcelona, Catalonia
Thesis: Scientific Validation of Clusterix 2.0
Supervisor: Carme Jordi
- 2016 **Degree in Physics (BS equivalent)**
Universitat de Barcelona, Barcelona, Catalonia

Research Appointments

- 2017–2020 Post-Graduate Researcher, University of Surrey
- 2015–2017 Undergraduate Research Associate, Universitat de Barcelona

Teaching and Advising

- 2019 Advising Alex Goater (Undergraduate Physics student) on SMC line-of-sight studies as part of a Summer placement
- 2018– Teaching Assistant for "Scientific Investigation Skills", "Introduction to Astronomy", and "Physics First year Undergraduate Laboratories" modules, University of Surrey

Publications

4 total, 1 first author and 3 with contributed observations

- in prep. **P. Massana**, N.E.D. Noël, D. Erkal, and SMASH Collaboration, *SMASHing the SMC: reaching the outer edge*, under internal review, expected submission to Monthly Notices of the Royal Astronomical Society by the end of 2019.
- 2019 D.L. Nidever, K. Olsen, Y. Choi, and 23 coauthors, including **P. Massana**, *Exploring the Very Extended Low-surface-brightness Stellar Populations of the Large Magellanic Cloud with SMASH*, 2019, The Astrophysical Journal, 874, 118.
- 2018 Y. Choi, D.L. Nidever, K. Olsen, and 18 coauthors, including **P. Massana**, *SMASHing the LMC: Mapping a Ring-like Stellar Overdensity in the LMC Disk*, 2018, The

Astrophysical Journal, 869, 125.

Y. Choi, D.L. Nidever, K. Olsen, and 18 coauthors, including **P. Massana**, *SMASHing the LMC: A Tidally Induced Warp in the Outer LMC and a Large-scale Reddening Map*, 2018, The Astrophysical Journal, 866, 90.

Presentations (as first author only)

- 2019 *About the diet of galaxies*, invited talk, Institute of Physics lectures, University of Surrey, UK. Given 12/11/19.
- SMASHing The Small Magellanic Cloud*, contributed poster and flash talk, Small Galaxies, Cosmic Questions, Durham, UK. 29/7/19–2/8/19.
- SMASHing the SMC: Investigating its profile*, contributed talk, Student-led conference: From Infinity to Zero: A History of the Universe in Redshift, University of Southampton, Southampton, UK. 3/4/19–5/4/19.
- SMASHing the SMC*, contributed talk, Collaboration meeting MSSL-Surrey, Guildford, UK. Given 1/3/19.
- 2018 *SMASHing the SMC: Exploring the Outskirt*, invited talk, Lunch Talk, Astrophysics Group, University of Surrey, Guildford, UK. Given 4/6/18.

Service & Outreach

- 2017– **Journal Club organiser for Surrey Astrophysics Group**
- Applicant and Open day student helper**
Giving Telescope tours to potential University of Surrey Undergraduate Students.
- Volunteer, Surrey Stargazing Public Events**
Answering questions about general astronomy and running Telescope Tours.
- 2018 **Surrey Stargazing speaker**
Facilitated a talk about the evolution of observational astronomy to the general public.

Other Skills & Qualifications

Programming

Python, Shell Script, Fortran, L^AT_EX

Languages

English (fluent)

Catalan (native speaker)

Spanish (native speaker)