CURRICULUM VITAE

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Citizenship: Italy

EDUCATION

- **BSc in Astronomy, *magna cum laude*, 2015-2018,** Alma Mater Studiorum, University of Bologna, Italy. Title: *Structure and kinematics of the Milky Way* (Supervisor: Prof. D. Dallacasa).
- **MSc in Astrophysics and Cosmology, *magna cum laude*, 2018-2020**, Alma Mater Studiorum, Università di Bologna, Italia. Title: *Looking for intermediate mass black holes in globular clusters using action-based dynamical models* (Supervisor: Prof. C. Nipoti; co-supervisor: Dr. R. Pascale).

CURRENT OCCUPATION

PhD student in Astronomy at the University of Padova since 01/10/**2020**. Title of the project: Gas in galaxies: *The effects of environmental and feedback processes on galaxy evolution.* Supervisor: Dr. B.M. Poggianti; co-supervisors: Dr. M. Gullieuszik and Dr. A. Moretti.

RELEVANT EXPERIENCES

05/2017-08/2017: guide at the Loiano telescope (Bologna, BO), developing confidence in talking in public about astronomical topics.

TECHNICAL SKILLS

Programming languages: *Python* (numpy, scipy, matplotlib, seaborn, astrodendro, astropy), *Astrodrizzle* (HST photometric data reduction). Basic knowledge in *Fortran90*.
Software: *galfit*, *tinytim*, *Latex*.

SCIENTIFIC SKILLS and BACKGROUND

- background about the *star formation mechanism* and *star-forming clump properties* in different environment;
- expertise in *clumps detection* via Astrodendro;
- knowledge of star-forming clumps mass, luminosity and size *distribution functions*; *luminosity-size* relation; *morphology*; *formation* and *disruption*.

IT skills: the strong interest in computational Astrophysics led to a good ability in using computers and calculators, with a quite strong knowledge in *Linux* and *Windows* systems.

RESEARCH VISITS

- 11/04/**2023**-02/06/2023: University of Minnesota, Minneapolis (MN)

CONTRIBUTED TALKS

- 20-23/09/2022. **CLUSTER3**, Bologna (BO), Italy: *High-resolution imaging of 6 GASP ram-pressure stripping galaxies with HST*.
- 03-07/07/2023. **A multi-wavelength view on globular clusters near and far: from JWST to the ELT**, Sexten (BZ), Italy: *Star-forming clumps in the peculiar environment of jellyfish galaxies*.

Native language: Italian

Other languages:

- B2 skills in **English** listening, reading, speaking and writing developed independently.
- B1 skills in **Spanish** listening, reading, speaking and writing developed independently.

Other skills: ability to work in group, collaborating with team mates in order to obtain the best division of tasks, essential skill in modern Astronomy.
Ability to work under pressure.

FIRST AUTHOR PUBLICATIONS LIST: NASA/ADS library
https://ui.adsabs.harvard.edu/public-libraries/Uz6wbuCZToGRY0qz7KLOJQ

CO-AUTHOR PUBLICATIONS LIST: NASA/ADS library
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