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Faint quasars at very low frequencies

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Citation

Retana Montenegro, E. F. (2019, October 16). *Faint quasars at very low frequencies*. Retrieved from <https://hdl.handle.net/1887/79263>

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Title: Faint quasars at very low frequencies

Issue Date: 2019-10-16

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Publications

Refereed first and second author publications:

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Curriculum Vitae

I was born in San José, Costa Rica. Since middle school, I have been interested in learning how nature works, which differed from the then-contemporary interests of many kids. I used to read advance biology, physics and astronomy books from all the places I could borrow them. After I completed my high-school studies, I enrolled at the University of Costa Rica (UCR) to pursue studies in Physics. During my undergraduate studies, I worked **on** several projects within the Astronomy and Astrophysics group at the UCR, including the modeling of gravitational lensing systems under the supervision of Dr. Francisco Frutos-Alfaro. During this time, I also worked as a teaching assistant for general physics laboratories, and Electromagnetism I and II. After my undergraduate studies, I started my Master studies once again working under the supervision of Dr. Frutos-Alfaro, studying the analytical properties of Einasto dark matter haloes.

In 2013, I began my doctoral studies at Leiden University, working under the supervision of Prof. Huub Röttgering. My PhD research focused on using radio observations to study the properties and evolution of quasars. I was involved in commissioning work for the Low Frequency Array (LOFAR), and in applying new calibration algorithms to process LOFAR data. I had short working visits to the European Southern Observatory in Garching, Germany, along with the opportunity to participate in observations runs at the Isaac Newton Telescope in La Palma, Spain and the Giant Metrewave Radio Telescope located in Pune, India. I presented the work of this thesis at various conferences and workshops in the Netherlands (Leiden and Amsterdam), Germany (Munich), Italy (Padova), and South Africa (Cape Town).

Acknowledgements

This would not **have** been possible without the continuous support of my parents, Edwin and Elieth, you always have been **there** to support me in all moments of my life, and encouraged me to achieve my life goals. I am also grateful to my two brothers, Rodrigo and Oscar, for your endless support through these years.

To my colleagues in the LOFAR group: Huib, Reinout, Aayush, Tim, Emma, Wendy, Soumyajit (Jit), Kim, Gabriela (Gaby), Pedro, Alex, Josh, and Frits. Huib thanks for always being open to share your knowledge in radio-astronomy with others. To my officemate Frits, thanks for translating the summary of my thesis into dutch.

I would like to thank my spanish-speaking friends for our conversations about daily life and your scientific results: Heather, Pedro, Cristina, Henry, Gabriela, Paola, Noel, and Santiago.

I would also like to thank the support staff members of Leiden Observatory: Evelijn, Marjan, Alexandra, Caroline, Monica, Liesbeth, and Anita. They were always willing to help me with all my questions, translated letters written in dutch for me, or helped me with any administrative paperwork. I am grateful for the help of the people at the Service Centre International Staff, particularly Ivonne Kluijt, who always addressed all my questions with great care.

Also, I would like to thank my supervisor Huub Röttgering for the opportunity to study at Leiden Observatory. I appreciate his guidance during my PhD studies. I would like to express my gratitude to Xander Tielens for his support in the final part of my PhD. The computer group at Leiden Observatory did an excellent job in maintaining the latest versions of the LOFAR software on our computer clusters. They always responded quickly to all my hardware and software questions.

I am grateful for the guidance of Prof. Francisco Frutos, Prof. Herberth Morales, Prof. Roberto Magaña, and Prof. Rodrigo Carboni during my bachelor and master studies

at the University of Costa Rica. I also would like to express my gratitude to Paola Andreani from the European Southern Observatory for her mentoring.

To the friends that I made during my PhD: Francois, Clement, and Darko. Thanks for all the interesting and enjoyable conversations.

To my friends, Hugo and Wendy, thanks for joining me in the defense of my thesis as my paranymphs.