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Formation and Evolution of Galaxies

PhD Student

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I started my studies doing the BSc in Physics at the University of La Laguna and then I continued doing the MSc in Astrophysics at the same university. During my master's studies I started to investigate the field of galaxy formation and evolution. Thanks to an ERASMUS+ grant, I was able to study stellar populations of nearby galaxies from their optical spectra with Ignacio Martín Navarro at the Max-Planck Institute for Astronomy (Heidelberg, Germany). In addition, in my master's thesis we studied the history of the gas that forms stars in simulated galaxies of the EAGLE project, and this work was supervised by IAC researchers Claudio Dalla Vecchia and Jorge Sánchez Almeida.

I decided to continue working in this field by doing my PhD at the IAC under the supervision of Ignacio Martín Navarro and Jesus Falcón Barroso. The aim of the project is to study the effect of environment and super-massive black holes on observed properties of galaxies in clusters through detailed analyses of stellar populations.