



Elena García Broock

Solar Physics

PhD Student

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I studied my Bachelor's Degree in Physics at the University of La Laguna, finishing with a project about solar neutrino problem, supervised by Teodoro Roca Cortés. Then, I studied the Masters in Astrophysics, also at the University of La Laguna, finishing with a final project on the measurement of the pressure on solar photosphere using the inversion method SIR, supervised by Basilio Ruiz Cobo. Afterwards, I worked on a start-up on the development of apps for the aviation sector, coming back to astrophysics with a three-month stay at the Royal Observatory of Belgium, working on a CMEs related project. Now I am doing my PhD on the detection of active regions on the non-visible hemisphere of the Sun with deep learning tools, supervised by Tobias Felipe and Andrés Asensio. Results from my thesis will be useful to improve space weather forecasting on effects of solar activity on technological and biological systems on Earth.