

## PROJECTS FOR SUMMER STUDENTS 2022

Nº	TITULO DEL PROYECTO	DIRESTOR/ES
1	"Addressing the Most Intriguing Fundamental Questions in the Galaxy with the Alpha Magnetic Spectrometer on the International Space Station"	Dr. Miguel Molero González & Dra. Mónica Vázquez Acosta (cosupervisora)
2	"Structural decomposition of AGN host galaxies"	Dras. Adriana de Lorenzo-Cáceres & Begoña García-Lorenzo
3	"Inferring dynamical distinct components in nearby galaxies using velocity gradients"	Dras. Begoña García-Lorenzo & Natacha Zanon Dametto
4	"Identifying galaxies with nearly-identical morphology"	Dra. Begoña García-Lorenzo
5	"Exploring galaxy spectra at high resolution"	Dr. Ignacio Ferreras
6	"The edges of galaxies in high-resolution cosmological simulations"	Dr. Robert Grand
7	"Retrieving rotation periods of low-mass stars using spectroscopic indicators"	Dr. Alejandro Suárez Mascareño & Dr. Jonay I. González Hernández
8	"Hydration in the Middle Main Belt – The Dora Family"	Dr. David Morate González & Dr. Javier Licandro Goldaracena
9	"The evolution of the dust and gas content of quasars across cosmic time"	Dr. Ismael Pérez Fournon; Dr. Evanthia Hatziminaoglou (ALMA Regional Centre, ESO) & Dr. Frédérick Poidevin
10	"Deriving radial surface brightness profiles from deep galaxy images"	Prof. Johan Knapen; Sr. Pablo M. Sánchez Alarcón & Dr. Javier Román
11	"Sobre el Origen del Agujero Negro en la galaxia M87"	Dra. Almudena Prieto
12	"Vortices in the solar atmosphere"	Dr. Tobias Felipe García & Lena Khomenko

