

PROJECTS FOR SUMMER STUDENTS 2023

Nº	TITULO DEL PROYECTO	DIRESTOR/ES
1	"Probing the properties of HII regions in starburst and quenched galaxies"	Dr. Sébastien Comerón & Dr. Johan H. Knapen
2	"Selective comparison of simulated and observed backplash galaxies in clusters"	Dr. Ignacio Ferreras & Andrea Negri
3	"A machine learning pilot study of the black-hole population"	Dr. Daniel Mata Sánchez
4	"Resolving the ages of Milky Way stars in the Gaia era"	Dra. G. Battaglia & Emma Fdez-Alvar & Carme Gallart
5	"Understanding the quasar clustering and halo occupation distribution in different cosmic web environments"	Dra. Ginevra Favole; Dr. Francisco Kitaura y Dr. Andres Balanguera
6	"Exploring Sulfur in Ultracool Atmospheres"	Dr. Eduardo L. Martín; Dr. Nicolas Lodieu & Junyan Zhang
7	"Generating A Semi-Empirical MILES Stellar Library With Variable Carbon Abundances"	Dr. Adam Thomas & Dr. Alexandre Vazdekis
8	"Exploring the angular momentum of protocluster galaxies at $z \approx 1.5$ "	Dr. José Pérez-Martínez & Dr. Helmut Dannerbauer
9	"Generic and optimal strategies for multi-telescope to follow-up the electromagnetic counterparts of gravitational wave sources"	Dr. Sk Javed Rana
10	"A statistical study of cluster versus dispersed star formation activity in the solar neighbourhood"	Dr. Eduardo L. Martín & Dra. Marusa Zejal
11	"Characterization and validation of Lyman-alpha forest mock lightcone simulations for the DESI survey"	Dr. F. Kitaura; F. Sinigaglia y Andrés Balanguera
12	"Shedding Light on Solar Filament Evolution: The Bright Point Connection"	Dr. Christoph Kukein & Dr. Andrea Diercke
13	"The dependence of the luminosity function on the magnitude gap in the C-EAGLE numerical simulation"	Dr. Stefano Zarattini & Alfonso Lopez Aguerri