



Escuela de  
Doctorado



FACULTAD DE  
CIENCIAS

## SEMANA DEL DOCTORADO 2024

2nd WORKSHOP PROGRAMA DOCTORADO DE ASTROFÍSICA

29 MAYO 2024

Sala de Seminarios 201 Módulo 15. Facultad de Ciencias

15:00 to 19:15

### LISTA DE CHARLAS:

1. *"Machine Learning within the three hundred simulation project"* **Daniel de Andrés Hernández** 15:00 - 15:20
2. *ML work regarding the prediction of halo formation time using BCG and its satellite galaxies properties* **Atulit Srivastava** 15:20 - 15:40
3. *Unleashing the potential of Cosmological Simulations with Machine Learning* **Daniel López**, 15:40-16:10
4. *Parameter inference with Simulations and Observational Data Combination with DESI DR1 BAO Data'* **Nicola Deiosso** 16:10 – 16:30
5. *The Cosmological Principle and the shape of our Universe"* **Mikel Martín Barandiaran** 16:30 -16:50
6. *"N-body simulations with non-Gaussian Initial Conditions"* **Adrian Gutierrez Adame** online 16:50– 17:10

### COFFEE BREAK 17:10- 17:30

7. *"The intra-cluster light in The300 simulated galaxy clusters"*, **Ana Contreras de Santos** 17:30- 17:50
8. *"The Three Hundred project: Estimating the dependence of gas filaments on the mass of galaxy clusters* **Sara Santoni** 17:50-18:10
9. *"Effects of (internal) UV and X-ray emission in AGB's envelopes"* **Jaime Alonso Hernández**, 18:10-18:30
10. *'Evolution of Cosmic Web elements at constant volume'* **Edward Olex** online 18:30 – 18:50
11. *AstroBrowser: Acceso universal a datos astronómicos.* **Fabrizio Giordano** 18:50-19:15

END OF SESSION.