

SEMINARIO

Emma Fernández Alvar

Instituto de Astrofísica de Canarias

The origin of the Milky Way disc with Gaia and large-scale surveys

Abstract: Understanding how galaxies form and evolve in the Universe is a key long-term goal of Astrophysics. In this regard our Galaxy provides unique insights because, due to its proximity, detailed galactic properties can be resolved that can unravel its formation history. For this reason, the international community have made large investments in observational resources to perform Galactic research during this and the following decades, like the Gaia mission and ground-based spectroscopic surveys like WEAVE and 4MOST, among others. The extraordinary wealth of data is facilitating and unprecedented leap forward to uncover the origin and evolution of our Galaxy with important implications for deciphering the physical processes governing galaxy evolution in general. In this talk I will present the last findings regarding the disc formation and the role that the Milky Way merger history played.

Sala de Grados I, Facultad de Ciencias

Martes 4 de Octubre de 2022 (13:15)

Organiza: MathPhys

