

CAVITY project first data release: Introducing the project data

KEYWORDS: astronomical surveys; Cosmology; Cosmic Web; CAVITY; integral field unit (IFU)

SUMMARY: The Calar Alto Void Integral-field Treasury survey (CAVITY) is a Legacy project of the Calar Alto for the coming years. It aims to generate the first statistically complete Integral Field Unit (IFU) data set of galaxies observed by the PMAS/PPaK instrument located at the 3.5m telescope of Calar Alto. It allows us to explore the assembly, dark and baryonic matter, and gas properties of galaxies inhabiting these very low-density regions. The first data release (DR1) is scheduled for July 2024. This Special Session aims to introduce this unique project data and related high-level products worldwide, as well as to create national and international collaborations with interested people and encourage new ideas from the community to enlarge the exploitation of the CAVITY data.

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