

J-PAS : exploring the sky in 56 optical colours

KEYWORDS: instrumentation, surveys, stars, galaxies, cosmology, data

SUMMARY: The J-PAS survey started regular operations during 2023, with more than 30 deg² surveyed using a unique filter system, with 56 passbands covering the optical from 350 to 900 nm, and the thousands of square degrees that will be covered, makes J-PAS a legacy project transversal to most thematic areas of Astrophysics. The goals are:

- 1- Present the first J-PAS data: status of the observations, reduction process, photometric calibration, data quality
- 2- Publicly release the J-NEP data to the community, a 0.25 deg² field observed with all the J-PAS passbands
- 3- Highlight the scientific results on cosmology, galaxy clusters, galaxy evolution, Milky Way stars, etc. already obtained with the pathfinders miniJPAS and J-NEP, and with the available J-PAS data.

This session is not open for oral communications or posters.

SO: Carlos López San Juan (CEFCA), chair; Silvia Bonoli (DIPC), co-chair; Patricia Cruz (CAB), Ca. de Astrofísica (IAA), Siddhartha Gurung López (UV), Patricia Sánchez Blázquez (UCM), Jose M. Vilchez (IAA)

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