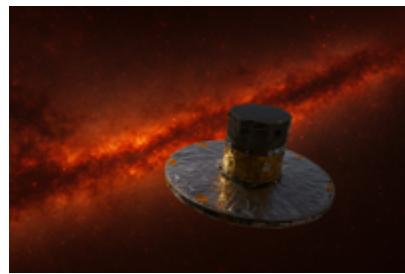


The Gaia NIR mission and the engagement of the Spanish Community



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Data fusion of Gaia with other catalogues: Gaia and J-PLUS (proof-of-concept)

Wednesday 28 January 2026 11:45 (15 minutes)

We have combined part of the Gaia DR3 catalogue (GaiaSource and EpochPhotometry) with the photometry and classification data from J-PLUS DR3 in a single table, also including the distance estimator by M. Weiler. It is available as partitioned Parquet files, including an index which allows to download just the relevant files for each use case. Additionally, we provide an experimental online service, with Jupyter notebooks and this table ingested in a fast database. All this is a good appetizer for the format and data volume that we will see in Gaia DR4, as well as for the kind of tools that will be provided for its exploitation.

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