

Open position  
for Weave archive



**Objective**

WEAVE is a new wide-field spectroscopy facility proposed for the prime focus of the 4.2m William Herschel Telescope. The facility comprises a new 2 degree field of view prime focus corrector with a 1000-multiplex fibre positioner, a small number of individually deployable integral field units, and a large single integral field unit. The instrument is expected to be on-sky by 2018 to provide spectroscopic sampling of the fainter end of the Gaia astrometric catalogue, chemical labelling of stars to V~17, and dedicated follow up of substantial numbers of sources from the medium deep LOFAR surveys. We are hiring a full time professional and looking for a brilliant and inspiring person who want to contribute to the development of the Weave **Science** archive (WAS).

**Main duties and responsibilities:**

The main duties are related to the development of the Weave archive (WAS).

Although the candidate will work in team, he/she should be able to work independently and must have:

- Some experience with astronomical data format
- Good knowledge of GNU/Linux OS
- Very good skills and experience on python, javascript (with frameworks), css. Java is a plus.
- Good knowledge of relational databases. NoSQL is a plus.
- Good communication skills

**Reports to:**

The job holder will report and work with the TNG/FGG weave team.

**Experience:**

A perfect candidate may be a computer scientist with strong experience in data archiving and web development. The WAS is a complex archive that will make available different type of data with different technologies. In particular big data technologies will be used as well as Virtual Observatory tools.

**Key competences:**

It is very important that the candidate possesses a good experience in programming (both sequential and object oriented). The archive itself will make use of relational databases as well as no-relational (NoSQL) databases. So it is fundamental to have good knowledge at least of one of them.

**Qualifications:**

Bachelor's degree in computer science (or equivalent degree in physics, astronomy or engineer). Documented experience of at least three years.

**Language skills:**

The position requires a good working knowledge of English. Good Spanish is a plus.

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**Remuneration and contract:**

This position is for one year. At the end it may be renewed for one more year if the funds are available.

Gross salary will be 30K euros.

**Duty station:**

Breña Baja, La Palma, España. Availability to travel will be asked.

**Starting date:**

As soon as possible.

**Application:**

People interested in applying for this position is invited to send a request together with a curriculum vitae, written in English to [jobs@tng.iac.es](mailto:jobs@tng.iac.es). Also a motivation letter is requested.

This Call for Application will be open until the post is assigned. FGG will begin evaluation and possible assignment starting March 15th, 2016.

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