



Job offer for researchers, research technicians or research support officers under Chapter 6 allocation

Job offer

Title

30/2023 - Postdoctoral position in gravitational wave physics at the University of the Balearic Islands

Main researcher

Name: Alicia Magdalena

Last name 1: Sintès

Last name 2: Olives

Department: Department of Physics

Contract details

Job description

For this call, we are seeking applications for one postdoctoral position in the area of gravitational wave physics to bolster our involvement in the LIGO Scientific Collaboration, Einstein Telescope and LISA Consortium. The selected candidate will be involved in the following project research lines: (LIA-3) 'Gravitational wave experiments and multimessenger astronomy' and 'Advanced technologies for the exploration of the universe and its components.' In particular, the successful candidate will work on waveform modelling with current and next generation gravitational wave detectors.

Research in the gravitational physics group at the University of the Balearic Islands (UIB) spans a wide range of topics, including gravitational wave data analysis, waveform modelling and numerical relativity. The group comprises PIs Alicia Sintès and Sascha Husa, faculty members David Keitel and Jaume Carot, as well as several postdoctoral researchers and PhD students. The group is involved in the LIGO Scientific collaboration, LISA consortium and Einstein Telescope project; for further details, see <http://grg.uib.es>.

Category: R2 - Doctor (PhD)

Qualification: PhD or equivalent

Field of research: Astronomy

Subarea of research: Astrophysics

Contract type details

Type of contract: Fixed-term

Full/Part-time: Full-time

Hours per week: 37,5

Work schedule: Flexible

Application submission deadline



Universitat
de les Illes Balears


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 Pla de Recuperació,
Transformació i Resiliència

Finançat per
la Unió Europea
NextGenerationEU



From Monday, February 27, 2023 until Monday, March 13, 2023

Planned start date: Sunday, October 01, 2023

Planned end date of the tasks subject to the contract: Monday, September 30, 2024

Research project / Agreement

Type of activity: Other research funding

Funding body: Resolució del conseller de Fons Europeus, Universitat i Cultura de concessió d'una subvenció directa per part de l'Administració de la Comunitat Autònoma de les Illes Balears a favor de la Universitat de les Illes Balears (UIB) per finançar despeses derivades del projecte de l'àrea d'Astrofísica i física d'altres energies "Tecnologies avançades per a l'exploració de l'univers i els seus components" en el marc del Pla de Recuperació, Transformació i Resiliència, denominat 'Reforma institucional i enfortiment de les capacitats del sistema nacional de Ciència, Tecnologia i Innovació'.

Call: Subvenció directa per part de l'Administració de la Comunitat Autònoma de les Illes Balears a favor de la Universitat de les Illes Balears (UIB) per finançar despeses derivades del projecte de l'àrea d'Astrofísica i física d'altres energies 'Tecnologies avançades per a l'exploració de l'univers i els seus components' en el marc del Pla de Recuperació, Transformació i Resiliència, denominat 'Reforma institucional i enfortiment de les capacitats del sistema nacional de Ciència, Tecnologia i Innovació' -- PRTR

Programme: -

Reference number / Official code: -

Number of positions available: 1

Candidate requirements

Skills/Qualifications

PhD in Physics, Astrophysics or related fields

Specific requirements

Member of any gravitational wave international collaboration (LIGO, GEO, Virgo, KAGRA, LISA, Einstein Telescope).

Particular consideration will be given to candidates with an expertise in the following topics:

- Experience in software development for gravitational-wave data analysis.
- Experience in C, C++, or Python programming languages
- Technical skills on version control systems (Git),
- Use of software libraries PyCBC, Mathematica
- HPC

Language requirements

English language skills. No accreditation required.

Experience required: 1-4 years

Prior experience

Experience in gravitational wave physics.



Additional information

Monthly salary and benefits: 2.700,00 €

Selection process

In accordance with article 8 of the REGULATORY AGREEMENT 145140 of 15th June 2022 that approves the regulation governing the recruitment of research staff under chapter 6 allocation of the university budget, as well as technical or operational research staff.

The selection committee will also take into account:

- Publications in peer-review journals on topics related to gravitational waves.
- Communications at conferences.- Mentoring of students -Postdoctoral experience.

Eligibility criteria:

- Curricular merits in the field (max. 50 points).
- Qualifications in the specialist area (max. 20 points), other (max. 5 points).
- Video curriculum and, if applicable, personal interview (max. 10 points).
- Experience in gravitational waves (max. 15 points). E.g.: > 2 years (10 points), < 2 years (5 points).
- Other merits (max. +5 points). E.g.: recommendation letters.

Eligibility threshold: 60 points

Selection comitee

- The relevant Pro-Vice-Chancellor for research (or delegated representative) as chair.
- The supervisor (or delegated representative).
- The members of the Research Area Assessment Committee (CARAI).
- One or more expert members in the topic pertaining to the recruitment and chosen by the chair of the committee, where applicable.
- The head of FORHU (or delegated representative), as secretary, who may speak but not vote.

Additional comments

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