



INSTITUTION: National Centre For Nuclear Research (NCBJ)

CITY: Warsaw

POSITION: **Postdoc–Barely Visible: Low Surface Brightness Universe in the LSST era(2)**

DISCIPLINE: astronomy, physics

POSTED: 19.07.2024

EXPIRES: 10.09.2024

WEBSITE: <https://www.ncbj.gov.pl/en/praca/postdoc-bp4-2>

KEY WORDS: Astronomy, Astrophysics, Galaxies

The National Centre for Nuclear Research opens the competition for the position of

Postdoc

Localization: Pasteura 7, 02-093 Warsaw

The Astrophysics Division of the NCBJ's Department of Fundamental Research is dedicated to research in astrophysics and astronomy, mainly their observational aspects. The Department employs 19 staff members, including eight foreigners, at the rank of Assistant Professor and above. 9 PhD students from the Department of Astrophysics are being trained at the Doctoral School of the NCBJ and IChTJ. The Department of Astrophysics offers an active research environment of the highest international standards.

Link to the Astrophysics Department website: <https://www.ncbj.gov.pl/en/astrophysics-division>

2-year post-doc position in observational astrophysics in the Astrophysics Department of National Centre of Nuclear Research.

The employment is financed by project MAESTRO No 2023/50/A/ST9/00579 “Barely Visible: Low Surface Brightness Universe in the LSST era,” led by Prof. Agnieszka Pollo. (agnieszka.pollo@ncbj.gov.pl).



Description of tasks:

- working in a research team under the supervision of the PI and senior co-Is on tasks related to the implementation of the grant
- analysis of the observational data, interpretation of the results, preparing publications and conference presentations regarding the results obtained in the project and promotion research results
- participation in the scientific life of the Astrophysics Division - participating in meetings, seminars co-organisation of workshop, conferences and other activities
- (co)-supervision and providing support to the PhD and undergraduate students working in the project
- studies of clustering properties, stellar and halo masses of low surface brightness galaxy population and investigating the dependence of their properties on the local environment.
- development of dedicated MCF and HOD codes.
- development of cosmological applications and interpretation.
- active participation in the corresponding LSST science collaborations.

Requirements for the candidate:

- Ph.D. in physics, astrophysics, astroinformatics or equivalent (obtained no earlier than in 2017 and no later than fall 2024),
- documented research experience (publications, conference talks, etc.) in the field of observational astrophysics physics
- fluent English spoken and written

Additional assets:

- documented experience in the analysis of big astronomical data
- documented experience in statistical data analysis, in particular in the area of galaxy clustering
- documented experience in studies of low surface brightness galaxies

We offer:

- participation in large international science collaborations, in particular the LSST
- employment in one of the largest research Institute in Poland
- good learning environment. Support of an experienced team
- external and internal trainings in hard and soft skills as well as participation in conferences
- a chance to make ones' own mark by participation in the creation of a interesting and ambitious projects
- work in Polish and international networks with research institutes and industrial companies



Required documents:

- Curriculum Vitae
- Full publication list
- A research statement
- A scan/ copy of degree diploma
- 2 letters of recommendation - should be submitted in English to: Dorota.Dobrowolska@ncbj.gov.pl - the subject of e-mails should be "adiunkt MAESTRO 2" and the name and surname of the applicant

Contact: Dorota Dobrowolska (dorota.dobrowolska@ncbj.gov.pl)

Applications in electronic form should be submitted in English to: Dorota.Dobrowolska@ncbj.gov.pl - Applications in electronic form should be submitted in English to: Dorota.Dobrowolska@ncbj.gov.pl - The subject of application e-mails should be "adiunkt MAESTRO 2" and the name and surname of the applicant.

Starting date of the contract: 01|10|2024

Additional comments:

Submitted documents will not be returned. We will contact selected candidates.

As an attachment to your application please sign and enclose the following declarations:

I agree for my personal data included in the application documents to be processed by National Centre for Nuclear Research with its registered office in Otwock, 7 Andrzej Sołtan Street, 05-420 Otwock, for a period of 12 months from their submission, in order to carry out future recruitment processes.

Information in accordance with Article 13 RODO on the processing of personal data:

1. The Personal Data Controller of your personal data is the National Centre for Nuclear Research (hereinafter referred to as Controller or NCBJ) with its registered office in Otwock, 7 Andrzej Sołtan Street, 05-400 Otwock.
2. Your personal data will be processed for recruitment purposes on the basis of applicable law, including the Labour Code. Data not required by law, provided by you in your documents, will be processed on the basis of your consent. Your consent is given by the transfer of this data.
3. The full content of the information clause of Article 13 RODO is available at <https://www.ncbj.gov.pl/en/information-clause-personal-data-processing>



Narodowe Centrum Badań Jądrowych
National Centre for Nuclear Research
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HR EXCELLENCE IN RESEARCH

The National Centre for Nuclear Research is awarded by “HR Excellence in Research”. Recruitment is based on OTM-R system (Open, Transparent and Merit-based recruitment practices in Research Performing Organisations).