

PhD Scholarship within the NCN SONATA BIS 13 project

Project title: Echoes of the Early Universe: primordial gravitational wave spectra from cosmological phase transitions.

Principal Investigator: dr hab. Marek Lewicki

Institution: Faculty of Physics, University of Warsaw

No. of positions: 1

Scholarship duration: 48 months,

Starting date: October 2026

Total Scholarship amount: 144 000,00 PLN (The net salary results from deducting all compulsory (employer/employee) social security contributions as well as direct taxes (e.g. income tax) from the gross amounts.)

The scholarship is awarded according to the National Centre of Science Regulations on Awarding Scholarships in NCN-Funded Research Projects, as detailed in the resolution of the National Science Centre Council number 124/2022 from 1 December 2022. PhD students who are selected to the Doctoral School through the general recruitment procedure will be eligible to a separate scholarship paid by the School.

Description of the position:

The successful candidates will conduct research at the Institute of Theoretical Physics, Faculty of Physics, University of Warsaw, within the NCN SONATA BIS project entitled “Echoes of the Early Universe: primordial gravitational wave spectra from cosmological phase transitions.” In particular, their responsibilities will include improving the precision of predictions for the spectrum of primordial gravitational waves produced during phase transitions in the early Universe, as well as working on the analysis of such signals in experiments aimed at detecting gravitational waves.

Requirements:

1. Good knowledge of the fundamentals of theoretical physics,
2. Knowledge of cosmology and basic understanding of gravitational waves and their detection,
3. Programming skills,
4. Proficiency in English sufficient to read scientific publications, deliver presentations, and communicate effectively within an international research team,
5. Successful candidate has to be qualified to a Doctoral School.

A complete application should contain:

1. Cover letter,
2. CV containing information on past scientific activity and achievements, including publications and conference presentations,
3. Transcript of records from the MSc and bachelor course,
4. Abstract of the master thesis (at most 1 page),
5. Personal data processing consent (attached to this form). The form should be signed and scanned

Moreover, for your application to be considered complete, one or two confidential reference letters should be sent directly to marek.lewicki@fuw.edu.pl preferably with “PhD recommendation letter” in the title line.

Application deadline: 4.05.2026

The results will be announced by 15.05.2026 (with final confirmation after the recruitment procedure to the Doctoral School is finalised, no later than 30.09.2026)

Please send your complete application by email with “**PhD application**” in the title line to: marek.lewicki@fuw.edu.pl

All documents should be submitted as pdf files.

Possible interview dates will be offered to selected candidates on an individual basis.

In the case of resignation of a selected candidate, the position will be offered to subsequent candidates from the selection ranking list.

Information on personal data processing

Controller

Controller of your personal data processed in connection with the recruitment process is the University of Warsaw, ul. Krakowskie Przedmieście 26/28, 00-927 Warszawa, as the Employer.

Contact with the controller:

- ☒ by traditional mail at: University of Warsaw, ul. Krakowskie Przedmieście 26/28, 00-927 Warszawa (name the organizational unit to which your letter is addressed);
- ☒ by phone: 22 55 20 355.

Data Protection Officer (DPO)

Controller has designated Data Protection Officer whom you may contact via email at iod@ad-m.uw.edu.pl. You may contact the DPO in all matters relating to your personal data processing by the University of Warsaw and the exercise of rights in relation to the processing of personal data.

The DPO, however, does not proceed other matters, like handling recruitment procedures, collecting recruitment documents, providing information on current recruitment process.

Purpose and legal grounds of data processing

Personal data of candidates for employment shall be processed for recruitment purposes only.

Your personal data shall be processed in the scope as indicated by employment law¹ (given name (names) and family name, date of birth, contact information as provided, education, professional qualifications, previous employment) for the purposes of this recruitment process², whereas other data³ shall be processed based on your consent which may take the following wording:

I agree to the processing of personal data provided in (e.g. CV, cover letter, and other submitted documents) by the University of Warsaw for realising my recruitment process.

If your documents include data as mentioned in Art. 9 section 1 of the GDPR (special categories of personal data), processing shall be possible upon your consent to processing such data⁴ which may take the following wording:

¹ Art. 221 of the law of June 26, 1974 Labour Code (i.e. Journal of Laws 2019 item 1040 with subsequent changes);

² Art. 6 section 1 letter b of the Regulation of the European Parliament and the Council (EU) 2016/679 of April 27, 2016 on protection of individual persons with regard to the personal data processing and on the free flow of such data, and also repealing Directive 95/46/EC (general regulation on data protection) (Official Journal EU L 119 of 04.05.2016, page 1, with subsequent changes) (hereinafter as the GDPR);

³ Art. 6 section 1 letter a of the GDPR;

⁴ Art. 9 section 2 letter a GDPR;

I agree to the processing of special categories of personal data, as mentioned in Art. 9 section 1 of the GDPR, provided in (e.g. CV, cover letter, and other submitted documents) by the University of Warsaw for realising my recruitment process.

The University of Warsaw shall be also processing your personal data in future recruitment processes upon your consent⁵ which may take the following wording:

I consent to processing of my personal data for the purposes of any future recruitment processes at the University of Warsaw for the period of the next nine months.

You may revoke all such consents at any time by, for example, sending an email at marek.lewicki@fuw.edu.pl (email address due for the recruitment process).

Be advised that the revocation of your consent does not affect legal compliance of processing which had been completed upon consent before its revocation.⁶

Data retention period

Your personal data collected in this recruitment process shall be stored over the period of three months from the date the recruitment process is completed.

In case you agree to process your data in future recruitments, your data shall be used over the period of nine months.

Data recipients

Officers authorized by the Controller shall have access to your personal data, the processing of which is in the scope of their duties.

Data transfer outside the European Economic Area (EEA)

Your personal data shall be disclosed to subjects authorized by law. Signing-in is through Google Forms. Your personal data may be also processed by our provider of G-Suite for education by Google Company in their data processing centres.⁷ Your data shall be protected under the standards of the Privacy Shield, accepted by the European Commission.⁸ This shall guarantee an adequate level of data security.

Rights of the data subject

Under the GDPR data subjects have the following rights:

- to access data and to receive copies of the actual data;
- to correct (rectify) your personal data;
- to restrict processing of personal data;
- to erase personal data, subject to provisions of Art. 17 section 3 of the GDPR;
- to file a claim with the President of the Personal Data Protection Office, if you believe data processing violates law.

Information on the requirement to provide data

Providing your personal data in the scope resulting from law is necessary to participate in the recruitment process. Providing other personal data is voluntary.

⁵ Art. 6 section 1 letter a GDPR,

⁶ Art. 7 section 3 GDPR;

⁷ <https://www.google.com/about/datacenters/inside/locations/index.html>

⁸ <https://www.privacyshield.gov>

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place and date

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applicant's signature