



One (1) PhD student position in the project

“BlackHold”

Threshold black holes and Singularities Funded under “Theodore Papazoglou” FORTH Synergy Grants

Ref. 238180
Heraklion, 08.10.2026

The Institute of Astrophysics (IA) of the Foundation for Research and Technology Hellas (FORTH), in the framework of the project FORTH-Synergy, BlackHold, **Threshold black holes and Singularities**, is seeking to recruit one (1) PhD position as further described below.

Title: Extreme black hole critical collapse

Job Description:

The BlackHold project aims to produce and study the first exact analytic solution of the Einstein equations that represents an extreme black hole which is: dynamical, hairy, and critical. In this context, the student will work on the non-linear endpoint of charged matter critical collapse to an asymptotically extreme black hole, using effective field theory techniques established in theoretical high-energy physics literature.

Required qualifications:

The successful candidate is required to:

- (a) have a Bachelor Degree and Master Degree in Physics or related fields,
- (b) to have been admitted to a Ph.D. program in Physics or related fields,
- (c) have prior experience with black holes near extremality,
- (d) possess good analytical/mathematical skills,
- (e) be available to start immediately.



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The aforementioned required qualifications will be judged as follows:

- 1) **Certificate of current enrollment in a PhD program** (yes/no; disqualification in case of no)
- 2) **Copy of EU passport or, in the case of a non-EU citizen, copy of a valid student visa** (yes/no; disqualification in case of no)
- 3) Degree titles and past research experience (1-10, 50% of total score)
- 4) Experience with the physics and mathematics of extreme black holes (1-10, 50% of total score)

Location: IA - FORTH, Heraklion Crete GREECE

Start Date: 23 November, 2026

Project Duration: 12 months with possibility of extension according to the needs of the project and availability of funds

Application Submission:

Interested candidates who meet the aforementioned requirements are kindly asked to submit their applications, no later than October **18th, 2026, 23:59pm** local Greece time to the address (info@ia.forth.gr), with cc to Prof. Achilleas Porfyriadis (porfyriadis@ia.forth.gr).

In order to be considered, the application must include:

- 1) Application Form (please download the file from the job announcement webpage <https://www.ia.forth.gr/employment-opportunities>)
- 2) Brief CV
- 3) Scanned copies of academic titles
- 4) Certificate of admission to / enrollment in a PhD program in Greece
- 5) Copy of passport and, in the case of a non-EU passport, copy of valid student visa

Any application received after the deadline will not be considered for the selection.



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Contact

For information and questions regarding the application and selection procedure, candidates are asked to contact the secretariat (info@ia.forth.gr), tel. +30 2810-394200.

For information and questions about the advertised position and the research activity of the group or the institute, please contact Prof. Achilleas Porfyriadis (porfyriadis@ia.forth.gr).

Evaluation procedure

Applications will be evaluated by a three-member evaluation committee. In case of interview procedure, applicants will be invited to participate in person or teleconference.

In case of titles and qualifications awarded by foreign Higher Education Institutions, the provisions of the Law 55/2023 (article 36) and 4957/2022 (article 304) are implemented.

The results of the selection will be announced on the website of IA-FORTH. Applicants have the right to appeal the selection decision, by addressing their written objection to the IA secretariat within five days since the results announcement on the web. Objections are submitted in one of the following ways: in person, by an authorized person, by post, by courier. They also have the right to access (a) the files of the applicants as well as (b) the table of applicants' scores (ranking of applicants results). All the above information related to the selection procedure will be available at the secretariat of IA-FORTH in line with the Hellenic Data Protection Authority. Access to personal data of co-applicants shall be limited to personal data (and relevant data) and supporting documents which have been the basis of the evaluation of the applicants for the specific post(s). Prior to the announcement of the personal data and/or documents of the co-applicants to the applicant, FORTH will inform the data subjects in an appropriate way.

The selected applicants will be notified personally regarding the success of his/her application and will be requested to submit certified copies of his/her degrees. If the submitted documents do not agree with the original application, the applicant will be dismissed.



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GDPR Disclaimer

FORTH is compliant with all legal procedures for the processing of personal data as defined by the Regulation EU/2016/679 on the protection of natural persons with regard to the processing of personal data. FORTH processes the personal data and relevant supporting documents that you have submitted to us. Processing of that data is carried out exclusively for the needs and purposes of this specific call. Such data shall not be transmitted to or communicated to any third party unless required by law.

FORTH retains the above data up to the announcement of the final results of the call, unless further process and reservation is required by law or for purposes of exercise, enforcement, prosecution of certain one's legitimate legal rights' as defined in the Regulation EU/2016/679 and/or in national law.

Under the Regulation EU/2016/679 applicants have the rights to be informed about your personal data, access to, rectification and erasure, restrictions of process and objection to as provided by applicable regulation and national laws. We acknowledge also to you, that you have the right to file a complaint to the national Data Protection Authority. For any further information regarding exercise of your personal data protection rights, you may contact the Data Protection Officer at FORTH at dpo@admin.forth.gr.

Applicants have the right to withdraw your application and consent for the processing of your personal data at any time. We inform you that, in this case, FORTH shall destroy such documents and/or supporting documents submitted and shall delete the related personal data.