

FEDERAL UNIVERSITY OF ESPÍRITO SANTO
Exact Sciences Center
Postgraduate Program in Astrophysics, Cosmology and Gravitation (PPGCosmo)

NOTICE N° 1/2024
SELECTION PROCESS - DOCTORATE
GRADUATE PROGRAM IN ASTROPHYSICS, COSMOLOGY AND
GRAVITATION (PPGCOSMO)

SUMMARY OF THE NOTICE	
Year:	2024
Semester:	2
Program Coordinator:	Valerio Marra
Date of notice:	June 11, 2024
Registration period:	June 26, 2024 (00:00) to July 11, 2024 (23:59)
Vacancies:	3 vacancies
Date of the first stage:	July 12-13, 2024
PARTIAL result:	July 13, 2024 (published on the Program page)
Date for appeals:	July 14-15, 2024
Date of the second stage:	July 17-18, 2024
PARTIAL result:	July 19, 2024 (published on the Program page)
Resources:	July 20-21, 2024
FINAL RESULT:	July 22, 2024 (published on the Program page)
Registration period:	July 22 to August 25, 2024
Classes start:	August 26th, 2024
Contact:	applications.ppgcosmo@cosmo-ufes.org



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Registration and Selection Notice for
PhD in Astrophysics, Cosmology and Gravitation - PPGCosmo EDITAL
N° 1/2024

The Coordination of the Postgraduate Program in Astrophysics, Cosmology and Gravitation (PPG-Cosmo), of the Exact Sciences Center (CCE) of the Federal University of Espírito Santo (UFES), hereby announces that applications are open for the Selection Process for the Doctoral Course in "Astrophysics, Cosmology and Gravitation" for admission in the period 2024/2.

I Registration

- I.1 Period: from June 26, 2024 (00:00) to July 11, 2024 (23:59), Brasilia time, Brazil.
- I.2 Procedure: fill in and send the electronic form available on the website <http://ppgcosmo.cosmo-ufes.org>
- I.3 Registration documents:
 - I.3.a Candidate's curriculum vitae.
 - I.3.b Graduation diploma and transcript.
 - I.3.c Grade obtained in the Unified Examination for Postgraduate Degrees in Physics (EUF), if applicable.
 - I.3.d Master's degree diploma and transcript (if you entered or completed the master's program).
 - I.3.e Report on scientific interests. It should be no longer than 1 page in free format, preferably in English, but also accepted if it is in Portuguese. This report consists of listing the topics of interest in research, explaining why the candidate considers these topics relevant, as well as how they relate to their previous studies.
 - I.3.f Two letters of recommendation, sent directly by the referent, using their institutional e-mail address.

II The Selection Process

- II.1 The selection process will consist of two stages:
 - II.1.a Analysis of CV, scientific interest report and academic transcript;
 - II.1.b Interview.
- II.2 In the different stages, the following items will be assessed:
 - II.2.a Curriculum vitae and academic transcripts: performance in undergraduate and postgraduate courses (where applicable); participation in scientific events in the field; publications in scientific journals in the field with referee status; completion of a course in the field.





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master's degree. Scientific Interest Report: knowledge of scientific activities carried out in the area; knowledge of the literature on the topics covered; coherence of the presentation; ability to express oneself in writing; suitability for the PPGCosmo's lines of research.

- II.2.b Interview: mastery of the subjects presented; ability to express oneself orally; coherence of the presentation; knowledge of the contents of the disciplines of classical mechanics, electromagnetism, quantum mechanics and statistical physics at undergraduate level in physics.
 - II.3 The interviews will be held in public, and other candidates will not be allowed to attend.
 - II.4 Each of the steps in item II.1 will be given a score from 0 to 100. Item II.1.a has a weight of 2 and item II.1.b has a weight of 1. The final grade is a weighted average of these two grades with their respective weights.
 - II.5 Only candidates who score 80 or above in the first stage will take part in the interview.
 - II.6 Candidates who obtain a final mark of 80 or more will be considered successful.
 - II.7 The selection process will follow this timetable.
 - II.7.a The first stage will take place from July 12 to 13, 2024 and the results of the first stage will be published on July 13, 2024. Appeals may be submitted from July 14 to 15, 2024. They will be analyzed by the Program's selection committee. The final result of the first stage will be announced on July 16, 2024.
 - II.7.b The second stage will consist of interviews which will take place between July 17 and 18, 2024, in person or by teleconference, and will last a maximum of 1 hour. The day and time of the interviews will be set by the selection committee at least 24 hours in advance. The results of the second stage will be announced on July 19, 2024. Appeals may be submitted from July 20 to 21, 2024, and will be reviewed by the selection committee.
 - II.7.c The final result of the selection process will be announced on July 22, 2024, after approval by the PPGCosmo board.
- Sole paragraph: All communication between candidates and the committee in charge of the selection process, including the lodging of appeals, must be made via e-mail to applications.ppgcosmo@cosmo-ufes.org.
- II.8 On the application form, candidates may indicate their preferences regarding possible advisors from the PPGCosmo permanent members' team, and possible co-supervisors abroad, among the PPGCosmo collaborating members. The commis-





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The selection process must seek to satisfy these preferences of the candidates who have been selected, taking into account: the candidate's classification, the availability of vacancies for the supervisor and co-supervisor, and the acceptance of all those involved, i.e. the supervisor, co-supervisor and the student themselves. If it is not possible to find a consensus in which all three parties agree, the student will be eliminated from the selection process.

III Vacancies

- III.1 There are 3 vacancies available for this call, and it is not compulsory to fill all of them if there are no candidates who meet all the conditions for approval.
- III.2 Permanent members of the PPGCosmo (possible advisors) available are:
 - III.2.a Rita dos Anjos (UFPR)
 - III.2.b Martin Makler (CBPF & UNSAM)
 - III.2.c Wiliam Hipólito-Ricaldi (UFES)
 - III.2.d Rodrigo von Marttens (UFBA)
- III.3 Available PPGCosmo collaborating members (possible co-supervisors) are:
 - III.3.a Luca Amendola (Heidelberg U., Germany)
 - III.3.b Yi-Fu Cai (University of Science and Technology of China)
 - III.3.c David F. Mota (University of Oslo, Norway)
 - III.3.d Oliver Piattella (Insubria U., Italy)
 - III.3.e Jorge A. Rueda (Ferrara U., Italy)
 - III.3.f Alberto Daniel Supanitsky (ITeDA, Argentina)
 - III.3.g David Wands (Portsmouth U., UK)
 - III.3.h Jorge Zanelli (Valdivia-CECs, Chile)





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IV Scholarship Grants

- IV.1 Approval in the selection process does not guarantee the right to receive a doctoral scholarship.
- IV.2 The available scholarships will be distributed to the successful candidates in accordance with the ranking order, UFES rules and the rules associated with the scholarships made available by the funding agencies. The distribution of scholarships will be monitored by the Scholarship Committee to be appointed by the PPGCosmo Board.

V The Selection Committee

The selection committee responsible for the selection process described in this notice will be made up of three members chosen from among the permanent members of the PPGCosmo.

VI - Final Disposal

All omitted cases will be decided by the PPGCosmo collegiate body.

