



**UNIVERSIDADE FEDERAL DO ESPÍRITO SANTO**  
**Centro de Ciências Exatas**  
**Programa de Pós-Graduação em Astrofísica, Cosmologia e Gravitação**  
**PPGCosmo**

**Call for Applications for a Ph.D. in Astrophysics, Cosmology and Gravitation - PPGCosmo**  
**CALL NUM. 01/2020**

The Organizing Committee of the Postgraduate Program in Astrophysics, Cosmology and Gravitation (PPGCosmo), within the Centro de Ciências Exatas (CCE) at the Federal University of Espírito Santo (UFES), announces that the period of applications for the Doctorate Degree in “Astrophysics, Cosmology and Gravitation” for the semester starting in August 2020 is now open.

**I – Applications**

I.1. Period: from 9/3/2020 (00:00 h) until 16/4/2020 (23:59 h), timezone of Brasilia, Brazil.

I.2. Procedure: by filling in and sending the application form available online at the websites <http://ppgcosmo.cosmo-ufes.org/> and <http://www.cosmologia.ufes.br/en>.

I.3. Documents required in the application:

- (a) The Curriculum Vitae of the candidate.
- (b) A copy of the undergraduate degree and academic record.
- (c) A copy of the master’s degree and academic record (in the case that the candidate has either started or finished a master’s degree).
- (d) Two reference letters (free style).
- (e) A brief description of research interests. The length of this document must be a maximum of one page written in free style, preferably in English, although it will also be accepted in Portuguese or Spanish. This document should consist of a list of research interests, with an explanation of why they are relevant and how they relate to the candidate’s previous studies.

**II - Selection process**

II-1 The selection process will consist of 03 (three) stages:

- a) Analysis of the Curriculum Vitae and academic record;
- b) Analysis of the statement of research interests;
- c) Interview.





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II-2. At each one of these stages the following items will be assessed:

(a) Curriculum Vitae and Academic Record: performance in the undergraduate and, where applicable, master subjects; participation at scientific events; publications in peer-reviewed scientific journals; completion of a master's degree.

(b) Statement of Research Interests: knowledge of the scientific activities carried out in the areas of this Ph.D. program; knowledge of the bibliography on the research topics; coherence of the presentation; writing skills; alignment with the research areas of PPGCosmo.

(c) Interview: knowledge of the topics presented; oral skills; coherence of the presentation; knowledge of the following subjects: classical mechanics, electromagnetism, quantum mechanics and statistical physics, at the level of an undergraduate degree in physics.

II-3. The interviews will be public but the other candidates will not be allowed to be present. The interviews will be recorded and the other candidates will be able to request access to the recordings during the phase of appeals.

II-4. Each one of these stages will be evaluated with a grade between 0 (zero) and 100 (one hundred). Item (b) will carry weight 1 (one) and items (a) and (c) will each carry weight 2 (two). The final grade will be a weighted average of these three grades with their corresponding weights.

II-5. Only the candidates that reach an average of at least 70 (seventy) in the final grade, as described in item II-4, will be interviewed.

II-5. The results of the first stage of the evaluation shall be published on 30/4/2020. The interview will be carried out during the period between 11/5/2020 and 15/5/2020, either in person or via a conference call, and will last for at most 1 (one) hour. The day and time of each interview will be decided by the selection committee for this call at least 24 hours before the interview.

II-6 The candidate may indicate in the application form a ranked list of potential supervisors from within the team of permanent members of PPGCosmo, as well as a ranked list of potential co-supervisors from within the team of collaborators of PPGCosmo outside Brazil. The selection committee will try to meet the preferences of the qualified candidates based on: the candidate's final ranking in this selection process, the availability of student vacancies by both the supervisor and co-supervisor, and the acceptance by all parties - supervisor, co-supervisor and student. In the event of no agreement between all three parties involved, the student will be eliminated from this selection process.

### **III - Student vacancies**

III-1 There are 5 (five) student vacancies available in this call. However, in the event that not enough candidates meet the acceptance criteria, not all vacancies need to be filled in.





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III-2 Each permanent member of PPGCosmo, who is a potential supervisor, and each collaborating member, who is a potential co-supervisor, will be allowed to take on, at the end of the selection process, at most 01 (one) new student under his/her supervision.

#### **IV- Allocation of Studentships**

IV-1 The approval in this selection process does not guarantee the right of the student to receive a Ph.D. studentship.

IV-3 The available studentships will be distributed among the registered candidates respecting their ranking and the funding agencies' policies for the studentships. The distribution of the studentships will be carried out by the Studentship Commission, which is to be appointed by the PPGCosmo Council.

#### **V - Result of the Process and Appeals**

V-1 The final result of the selection process will be announced on 15/5/2020 (before 18h, Brasilia time) by posting at both the secretary's office of CCE-UFES and on the application website.

V-2 The candidates will be entitled to appeal against the result of the selection process by sending a request for revision. In relation to the first stage of the selection process, the requests for revision should be sent between the dates of 3/5/2020 and 4/5/2020. In relation to the second stage, they should be sent between the dates of 17/5/2020 and 18/5/2020. The request for revision should be sent to the selection committee at the email address [ppgcosmo@cosmo-ufes.org](mailto:ppgcosmo@cosmo-ufes.org) in the form of a written exposition of the reasons for appealing. The request for revision will be analyzed and published by the selection committee.

Sole paragraph: with regards to the results in the first stage of the selection process, the Council will announce its decision no later than 8/5/2020. With regards to the final result, the Council will announce its decision no later than 22/5/2020.

V-3 The final result of the selection process will be approved by the PPGCosmo Council in a meeting to be held on 29/5/2020.

V-4 The selection committee that will undertake the process described in this Call will be formed by five members to be chosen among the permanent members of PPGCosmo.

#### **VI - Final Provisions**

Instances unaccounted for by the regulations above will be ruled by the PPGCosmo Council.

