



Natal, March 23, 2024

Object : Request for admission of **Federal University of Rio Grande do Norte** as a member of the IDPASC network <https://idpasc.lip.pt/>

Dear Laforge,

We kindly request that you consider admission of the **Federal University of Rio Grande do Norte** to the International Doctorate Network in Particle Physics, Astrophysics and Cosmology (IDPASC).

At the Physics Department and International Institute of Physics we conduct research on Particle Physics, Astroparticle Physics and Cosmology with a strong international agenda. We are currently members of the Cherenkov Telescope Array Consortium and associated with the Future Circular Collider feasibility study at CERN. We have two professors working on observational cosmology (Raimundo Silva and Rodrigo Holanda) and one in theoretical particle and astroparticle physics. We have been awarded national and international grants that support our research activities. Our main interests are dark matter, collider physics, physics of the early universe, and galaxy cluster datasets and cosmological inflation.

Our grants support continuous funding to sponsor seven to ten PhD students working on these topics. It is based on an excellent network of three professors, namely, Rodrigo Holanda, Raimundo Silva, and Farinaldo Queiroz.

Our students will very much benefit from the participation in schools of the International Doctorate Network in Particle Physics, Astrophysics and Cosmology (IDPASC) and further expand our international collaborations.

Therefore, we would be delighted to join IDPASC network.

If the Council of IDPASC will accept our declaration of interest, we are ready to start all the formal steps required to join.

Best regards,
Farinaldo Queiroz