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## University staff (permanent) position opening at Clermont

### Nature of the Position

The UCA (University of Clermont-Auvergne) is opening a university staff position (Maître de Conférences) in Particle physics. This permanent position is intended mainly for young researchers (the hiring can happen few years after the thesis). Applications at higher seniorities are however encouraged as well. The successful candidate is expected to teach at all levels of academia (Bachelor, Master, and Doctorate) and will be assigned primarily to the LHCb experiment and its current data taking and analyses, with possible implications in phenomenological or prospective studies. Experiences in experimental particle physics (be it on analysis or instrument sides) are welcome. Candidates with a phenomenology background profile will be as well considered. The command of French language is not required at the time of the application, but the successful candidate is expected to teach in French at Bachelor level at short term.

### Teaching specifics

The successful candidate will teach at all levels of the Physics department: Bachelor of Physics, Master of Physics (Universe and Particles), and the newly developed international Master on Advanced Methods for Particle Physics (iMAPP, [imapp.eu](http://imapp.eu)) benefitting of the Erasmus Mundus label and carried jointly with the Universities of Bologna (Italy) and Dortmund (Germany). For the two latter academic paths, the teaching is given in English language. There are as well opportunities to teach at Doctorate level.

### Research specifics

The Clermont LHCb team is engaged in the LHCb collaboration since 1998, and had important contributions on the instrument: PreShower of the electromagnetic calorimeter, for the historical LHCb, and Scintillating Fibre tracker, for the first upgrade of LHCb. The team is committed to the second upgrade of the LHCb experiment meant for the High-Luminosity Phase of the LHC, specifically in the project of upgraded electromagnetic calorimetry with timing information. The group has contributed to numerous physics analysis publications mostly regarding  $CP$  violation studies in radiative and hadronic charmless decays of  $b$ -hadrons.

It must be noted that the LPCA laboratory has a longstanding history of involvements in Particle Physics at large and in Flavour Physics in particular. The ALICE, ATLAS and LHCb experimental groups together with the CKMfitter and theory teams are forming a larger consistent entity, in which the projects for the future of the field, such as FCCee, are studied. Though the initial assignment of this position is primarily the LHCb experiment, the successful candidate will belong to this enlarged community providing further scientific opportunities along the career.



UNIVERSITÉ  
Clermont Auvergne

The successful applicant must have completed a PhD in Particle Physics and present scientific records in experimental or phenomenology particle physics.

## Information

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|------------------------------|---|
| Type of contract:            | <i>permanent contract</i>                                   |
| Scheduled Hire date:         | <i>1<sup>st</sup> of September 2024</i>                     |
| Working Quota:               | <i>full time</i>  |
| Remuneration:                | <i>depending on experience, from 2300 euros monthly net</i> |
| Workplace:                   | <i>LPCA, Clermont-Ferrand (63118), France</i>               |
| Attachment:                  | <i>LHCb collaboration</i>                                   |
| Trips:                       | <i>regular travels to CERN</i>                              |
| Required level of education: | <i>PhD in Particle Physics</i>                              |

## How to apply?

The applicants should proceed to the upload of their documents through the French national platform for higher education: <https://galaxie.enseignementsup-recherche.gouv.fr/antares/can/astree/index.jsp>

More information on how to apply to this specific position are gathered here: [Poste#143.pdf](#)

For any additional information, please contact Régis Lefèvre and / or Stéphane Monteil at the following addresses: [Regis.Lefevre@cern.ch](mailto:Regis.Lefevre@cern.ch), [monteil@in2p3.fr](mailto:monteil@in2p3.fr) . We'll be happy to help and guide foreign applicants through the French administrative application site. The deadline for the submission of the application on the web site is the 29th of March.

