

**The Particle Physics Department of the Université libre de Bruxelles is seeking
a technician in electromechanics for 1-year full time contract, renewable**

To apply, please use this link :

<https://efficy.ulb.ac.be/public/guest?app=ulbPATGS&page=Publ.htm&code=8Cr3jahMcLVJUL7dPMIH>

Context:

The Service consists of about forty members, including seven permanent professors and researchers. It benefits from significant research contracts, mainly with the Inter-university Institute for Nuclear Sciences (IISN), associated with the Fonds National de la Recherche Scientifique (F.R.S.-FNRS).

The Service participates in major particle physics experiments, such as the LHC project at CERN and the ICECube experiment at the South Pole. As part of the upgrade of the CMS experiment at the LHC, the Service is at the forefront in the construction of the new tracker, which will consist of more than 15,000 semiconductor sensors. Specifically, the Service is responsible, along with other Belgian particle physics laboratories, for assembling 1,500 modules that will be equipped with silicon sensors and their embedded electronics.

Mission :

The recruited person will be integrated into the team of physicists and engineers working on the construction of the new CMS tracker for the LHC. In Brussels, they will contribute to the assembly of the modules as well as their validation tests. The recruited person will be trained in the use of micro-welding machines, assembly robots, and test benches specially designed for the CMS experiment.

The recruited person will also be responsible for maintaining and optimizing the performance of the various electronic devices used for the construction of the tracker. This person will also be responsible for ordering equipment. The work involved is a team effort with the laboratory's researchers and electronic engineers, in a varied and international environment. Continuing training and stays abroad may be offered.

Profile :

- Holder of a Bachelor's degree in electromechanics recognized by the Wallonia-Brussels Federation (FWB).
- Previous experience is desired but not essential.
- Candidates with a degree higher than a Bachelor's will not be considered.
- Those with a degree not issued by the FWB must obtain an equivalence from the FWB (<http://www.equivalences.cfwb.be/index.php?id=486>).

Required knowledge & skills :

- General electricity and electronics.
- Ability to read and create plans and circuits.
- Ability to assemble small circuits and solder components.
- Knowledge of specific software for assistance, design, and control.
- Basic knowledge of English (Level B1: spoken and read).

Required qualities:

- Enthusiasm and dynamism.
- Precise and careful work.
- Desire and ability to adapt to technological evolution.
- Ability to work in a team and in an international context.

We offer:

- A pleasant and friendly work environment within an institution with strong societal values.
- A dynamic work environment on a university campus.
- Continuing training.
- Work-life balance.
- A salary scale in accordance with FWB scales, taking into account acquired experience (subject to conditions).
- Extra-legal benefits (attractive leave scheme, possibility of joining a hospital insurance, supplementary pension, contribution to travel expenses, etc.).

Equal opportunities policy:

ULB's personnel management policy is focused on diversity and equal opportunities. We recruit candidates based on their skills regardless of age, gender, sexual orientation, origin, nationality, beliefs, or disability.

Reasonable accommodations in the selection process :

Are you a person with a disability and would like to benefit from reasonable accommodations in the selection process? Do not hesitate to contact Sophie Veys (sophie.veys@ulb.be), Inclusion and Diversity Officer for administrative, technical, managerial, and specialized staff. She will discuss with you the adaptations to the selection tests and interview conditions. Be assured of the confidentiality of this information.