



LABORATÓRIO DE INSTRUMENTAÇÃO E FÍSICA EXPERIMENTAL DE PARTÍCULAS **Job:** Electronics Technician

Job Summary:

The Laboratory of instrumentation and Experimental Particle Physics (LIP) has an immediate opening for a technician in electronics to join the LIP team collaborating in the CMS experiment at the LHC collider at CERN. The candidate will be hired under a non-fixed term work contract. The salary will depend on the selected candidate's level of experience.

Requirements:

The candidates for the position should have a degree of electronics technician. Previous professional experience in the field is valued. Fluency in the English language is required.

Work Plan:

The LIP-CMS group has a leading responsibility in the development of the electronics system of the new Timing Detector (MTD) of the CMS experiment under construction for the high-luminosity phase of the LHC collider starting operation in 2029.

LIP is collaborating with the Portuguese company PETsys Electronics in this development, which designed a dedicated ASIC (Application Specific Integrated Circuit) incorporated by LIP in the detector electronics system.

The successful candidate will participate in the laboratory experimentation, pre-series validation and production testing. These activities will be carried at the infrastructure TagusLIP in the science park Taguspark in Oeiras. Occasional trips to CERN in Geneva for installation and in-situ testing may be necessary.

The candidate will work in a challenging international environment having the opportunity to develop advanced skills in the design and testing of electronics boards using sophisticated laboratory instrumentation.

Application formalization shall be made by sending:

- Motivation letter;
- Detailed Curriculum Vitae;
- Certificate or diploma copy;
- Up to three recommendation letters which should be sent by the referees to natalia@lip.pt, mentioning the call and name of the candidate;

Candidates shall submit their application in one PDF file, by email to: natalia@lip.pt. **The call is open from 10 to 24 October 2022, 17:00 (Lisbon time).**