

## PhD position in GW instrumentation at University of Liège

Precision Mechatronics Laboratory (PML) invites applications for a PhD position in gravitational wave instrumentation at University of Liège. PML is an active member of the LIGO Scientific Collaboration, and of the Einstein Telescope Collaboration. The group is coordinating ET-CRISTAL, a full-scale prototype of large cryogenic mirror, demonstrating sub-Hertz seismic isolation, and cryogenic cooling using purely radiative technology.

The prototype is installed at the Space Center (CSL) of the University of Liège. University of Liège is a Belgian public university located at the heart of Europe in the cross-border region between the Netherlands and Germany, counting 11 faculties and nearly 30 000 students.

Capitalizing on this unique facility, the objective of this PhD is to develop an interferometric gradiometer that will be validated as a probe of Newtonian noise in the prototype. The project will be realized in close collaboration with the EPFL in Switzerland.

Applicants should hold a Master degree in engineering, physics or equivalent. The position is fully funded for a duration of four years and should ideally start on the 1<sup>st</sup> of September 2026.

Applications should include a curriculum vitae, a personal motivation letter, and the name of three references.

Applications should be sent by email to Prof. Christophe Collette ([christophe.collette@uliege.be](mailto:christophe.collette@uliege.be)) by the 30<sup>th</sup> of May 2026.

For more information:

ET-CRISTAL: <https://www.etest-emr.eu>

Precision Mechatronics Laboratory: <https://www.pml.uliege.be>

Liège Space Center: [https://www.csl.uliege.be/cms/c\\_10241774/en/csl?id=c\\_10241774](https://www.csl.uliege.be/cms/c_10241774/en/csl?id=c_10241774)

University of Liège: [https://www.uliege.be/cms/c\\_8699436/en/uliege](https://www.uliege.be/cms/c_8699436/en/uliege)