RECRUITMENT OF A TEACHING AND RESEARCH PROJECT CONTRACT

January 2027

U.F.R, School or Institute: IUT Grand Ouest Normandie – Physical Measurements Department, Caen – Campus 2	
Research team: Laboratoire de Physique Corpusculaire de Caen – LPC Caen	
Type of contest *(specify article):*	**CDD Teacher-Researcher (1 year 8 month – teaching service: 128h/year)**
Section/ Discipline requested:	**29th**
General title profile publication:	**Nuclear physics, radiation-matter interaction, nuclear instrumentation and measurements, radiation protection, nuclear reactors, nuclear fuel cycle, astroparticles**
Recruitment date requested at:	**From 01/01/2027 to 31/08/2028**
Contacts - teaching information	**Christophe Cibert, Head of the Physical Measurements department, iut.caen.mp.responsable@unicaen.fr** **Franck Delaunay, Associate Professor of Nuclear Physics, franck.delaunay@unicaen.fr**
- Research information	**Étienne Liénard, Director of LPC Caen, lienard@lpccaen.in2p3.fr** **Olivier Lopez, Deputy Director of LPC Caen, lopezo@lpccaen.in2p3.fr**
- ADM information	**Marie-Noëlle Sonsini-Lepareur, Executive Assistant IUT GON, marie-noelle.sonsini@unicaen.fr**

Profile publication: Academic teacher's/researcher's position in Nuclear Physics

Add key words: nuclear physics, radiation-matter interaction, nuclear instrumentation and measurements, radiation protection, nuclear reactors, nuclear fuel cycle

Fundamental nuclear physics; Applied nuclear physics; Astroparticles;

I.TEACHING PROFILE:

Training courses concerned:

- niveaux : ☒ Licence ☐ Master

- diplomas concerned: BUT Physical measures, initial training and apprenticeship

Objectives in terms of educational content and framework:

The annual volume of teaching ***in French language*** will be 128 hours equivalent "tutorial classes"

Subjects taught: lectures, tutorials, practical work in nuclear physics and related topics (radiation-matter interaction, radiation protection, nuclear instrumentation and measurements, nuclear reactors, nuclear fuel cycle), within three years of the Bachelor University of Technology (BUT).

Contribution to the evolution of practical work and tutorial classes learning. Implementation and development of new practical works in BUT3, notably with new equipment acquired as part of the AMI project CMA 3NC (New Nuclear – New Skills) in which the University of Caen Normandie is involved.

Proposal and supervision of BUT1, 2 and 3 projects in connection with the CMA 3NC (characterization of new equipment).

Follow-up of internships and work placements in companies, particularly on missions related to nuclear measurements or radiation protection.

Reference person for the *Passeport Nucléaire* (nuclear passport) of the *Université des métiers du Nucléaire*, within the physical measurements department. Organization of visits to nuclear facilities and/or conferences by nuclear industry for BUT3 students.

Participation in the recruitment of BUT1 students (examination of Parcoursup applications, interviews).

II.SEARCH PROFILE:

Laboratoire de Physique Corpusculaire de Caen, UMR6534

Theme/Project:

The research activities will be carried out at LPC Caen in one of the following scientific axes:

Nuclear dynamics and thermodynamics at intermediate energies; Nuclear structure of exotic nuclei; Atmospheric and extraterrestrial neutrinos (KM3NeT); Study of gravitational waves (VIRGO, LISA); Physics beyond the Particle Standard Model (low energy precision measurements with exotic nuclei or neutrons); Nuclear data measurements and nuclear reactors physics; Nuclear physics for health and associated instrumentation.

Application procedures:

Candidates can submit their complete application (CV, cover letter, and copy of their most recent diploma) by email to marie-noelle.sonsini@unicaen.fr, with a copy to drh.recrutement.enseignants@unicaen.fr, before November 23 2026.