



-- ESNT postdoctoral position call --

18th June 2025

The ESNT, “Espace de Structure et réactions Nucléaires Théorique” (virtual laboratory of Nuclear Structure and reaction Theory) calls for postdoctoral candidates. The first position can start from **January, 2026**. Eventually a second position could be envisioned not earlier than September 2026. Contract duration is decided depending on the potential extension of the proposed project. The initial contract is a priori for one year with a possible extension for a second year (to be decided end of 2026).

The ESNT, a framework for theoretical activities in nuclear structure and reactions, has been created by two CEA laboratories, SPN (DAM) and DPhN (DRF) carrying out research in low energy nuclear physics. It aims at strengthening the relations between theorists and experimentalists. The goal of this structure is also to coordinate scientific activities through the organization of workshops, in collaboration with short- (from a few days) or long-term (up to a few months) visitors, and through the works undertaken within a post-doc program. Besides pursuing their own research activity, the successful candidate is expected to participate in the various ESNT activities and to organize a topical workshop during the contract period.

The activities of the ESNT take place in the Nuclear Physics Department (DPhN) of the CEA Saclay. More information about the ESNT programs and future projects can be found at: <https://esnt.cea.fr>.

For the development of their project proposal, the applicants are invited to take account of the theoretical and experimental environment of the ESNT and to examine the activities of groups* with which they might enter in collaboration according to their themes of interest.

The application should include (in separate PDF files) the following documents:

- A Curriculum Vitae,
 - A list of main publications and conference contributions,
 - PhD Jury reports on the manuscript and defense.
 - A cover letter (maximum 6 pages) in two parts, a short summary of research activities and expertise fields, followed by the **research project foreseen in the framework of ESNT** (maximum of 4 pages), including an overview of the scientific context and the planned work program during the contract.
- Applicants must also ensure that two letters of reference are sent directly to the steering committee (*e-mails in copy of this call*).

The full dossier (zip directory) should be sent to the steering committee **before September, 20th**. Proposals for projects matching the ESNT criteria will then be transmitted to the [scientific council](#). The selection process will take place in October. The applicants will be informed about the decision no later than **October 20th**. The successful candidate will then have to start the administrative formalities (at least ten weeks are required, before the possible official start date of the contract).

Please do not hesitate to contact us for any complementary information,
The ESNT steering committee

* Experimental and theoretical activities at **CEA-DAM SPN**: <https://www-phynu.cea.fr>

See also: <https://www-physique-chimie.cea.fr/physique-nucleaire-et-neutronique/index.html>

<https://www-physique-chimie.cea.fr/physique-nucleaire-et-neutronique/fission.html>

LMCE - Laboratory for Matter in Extreme conditions (University of Paris Saclay)

<https://www-lmce.cea.fr/en/index.html>

* Experimental activities at **CEA DRF DPhN** (Department of Nuclear Physics) at Saclay:

- of LENA Laboratoire d'Études du Noyau Atomique - Laboratory for Nuclear Structure Studies

https://irfu.cea.fr/dphn/en/Phoce/Vie_des_labos/Ast/ast_groupe.php?id_groupe=4069

- of LEARN Laboratoire d'études et d'applications des réactions nucléaires - Study and Applications of Nuclear Reactions https://irfu.cea.fr/dphn/en/Phoce/Vie_des_labos/Ast/ast_groupe.php?id_groupe=4241

* Activities of the nuclear structure theory group at DPhN:

https://irfu.cea.fr/dphn/en/Phoce/Vie_des_labos/Ast/ast_visu.php?id_ast=4071

- About the project call, please see: <https://esnt.cea.fr/index.php?id=9&ref=1>

ESNT Scientific council: <https://esnt.cea.fr/index.php?id=4&ref=1>

Steering committee (jean-paul.ebran@cea.fr; valerie.lapoux@cea.fr): <https://esnt.cea.fr/index.php?id=5&ref=1>