

Newsletter (May 2026)

Greetings,

the GDR SCIPAC (<https://scipac.in2p3.fr/>) is pleased to send you its newsletter. To share information, you can contact scipac-contact-l@in2p3.fr. You can subscribe/unsubscribe from the mailing list via <https://indico.ijclab.in2p3.fr/event/10057/>.

*** IPAC 26, 17th International Particle Accelerator Conference: May 17-22 2026, Deauville**

The 17th International Particle Accelerator Conference (IPAC) will be held from May 17 to 22, 2026, in Deauville, France. IPAC is the leading annual gathering of the accelerator community, bringing together scientists, engineers, and industry professionals from around the world. This conference offers a unique opportunity to discover the latest advances in accelerator research and development, as well as up-to-date information on current and future accelerator facilities. The 2026 edition of IPAC is organized by the GANIL-SPIRAL2 laboratory in collaboration with the CEA, the CNRS, the SOLEIL Synchrotron, and the ESRF. More information is available at <https://www.ipac26.org/>

*** TTC meeting (SRF), école Centrale Supélec, June 9-12**

CEA, CNRS, and the University of Paris-Saclay are organizing the next TTC (Tesla Technology Collaboration) meeting at Centrale Supélec from June 9 to 12. Held twice a year in a different laboratory, this event focuses on developments in radio-frequency superconductivity. The meeting includes four sessions: "Latest activities on high-G and high-Q performance," "Effective operation of aging machines for performance and reliability," "R&D for mass production and quality assurance for accelerator modules," and "R&D challenges for future advanced projects." Facility visits are planned (Supratech and the Vacuum&Surface platform at IJCLab, as well as the Synergium platform at CEA-IRFU).

Programs and registration under <https://indico.ijclab.in2p3.fr/event/12364/>

*** Rencontres accélérateurs of the French Physical Society, October 6-7, Bordeaux**

The Accelerators Division of the French Physical Society organizes every two years the "Rencontres Accélérateurs" to showcase a laboratory working on the division's research themes. The host laboratory and surrounding laboratories will present their research activities and techniques. This meeting will be held on October 6 and 7, 2026, in Talence, on the University of Bordeaux campus, and CELIA, with the support of the CEA, is in charge of the organization. Tours of CELIA, LP2IB, and the Laser Mégajoule will be organized. Supervising institutions will be invited to present their perspectives on the themes and to engage in discussions with the community. The Jean-Louis Laclare Prize will be awarded to the winners, followed by a presentation of their research. An evening reception will be organized to continue the discussions in a more informal setting. The Accelerators Division's exhibition will be open to the general public and students. Details at <https://accélérateurs.sfpnet.fr/rencontres-accelérateurs-2026/>

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*** PhD thesis on laser plasma acceleration for radioisotope production at Subatech (Nantes), deadline: May 15**

The main objective of the PhD student will be to identify promising production routes for medical radioisotopes taking into account the specificities (spectrum, average current, ...) of laser driven particle sources. These identified routes will then be experimentally tested thanks to the access facilitated by the collaborators involved in the EUROPA project. The student will work on Monte Carlo simulations to study various production routes and work on the associated targetry with the expert nuclear physicists and radiochemists from Subatech laboratory in Nantes. The student will also be involved in the experiments on state-of-the-art laser facilities to irradiate the prepared target and characterize the sample. Finally, the PhD student will interpret the experimental results and compare with Monte Carlo simulations. This will involve the development of key competences in laser plasma interaction but also nuclear physics (gamma spectrometry, Monte Carlo simulations...), targetry and radiochemistry which will provide the candidate with a unique set of skills towards the end of the PhD. **Deadline : May 15.**

Details at <https://euraxess.ec.europa.eu/jobs/426335>.

*** PhD thesis funded in beam dynamics (6 GeV linac) at ESRF (Grenoble)**

As part of the modernization of these injectors, the ESRF is offering a PhD position in the Beam Dynamics group to work on the design of a 6 GeV electron linac and participate in the development and implementation of a test facility for high-gradient acceleration structures. The successful candidate will develop the beam dynamics model to characterize the dynamics of individual particles and particle groups, from the electron source to injection into the storage ring, and then design the optics and magnetic configuration of the linac to achieve the required performance. Finally, they will support the Beam Dynamics group in the preparation and implementation of the linac test facility. More details at https://esrf.gestmax.eu/1973/1/cfr497-phd-student/en_US

*** Electronic engineer for the « RF and linac » group at SOLEIL (permanent position)**

The SOLEIL synchrotron is seeking an electronic engineer for its "RF and linac" group. The successful candidate will be responsible for maintaining the highest level of performance (operation, maintenance, refurbishment, upgrades) of the SOLEIL equipment under their care:

- The linear injector (LINAC) which ensures the generation of electrons, their grouping into bunches and their acceleration up to an energy of 100 MeV before their injection into the Booster;
- RF systems that accelerate electron bunches in the Booster and Storage Ring (AS); this includes accelerating cavities (hot and superconducting), RF power amplifiers, low-level RF systems (servos, regulations, feedbacks) as well as all associated control and supervision systems.

He/she will also be required to contribute to the study and implementation of RF or LINAC systems for projects in which SOLEIL is involved (SOLEIL II, LUCRECE, LUNEX5, SESAME, etc.) and to continue the R&D and development of transistor-based RF power amplifiers, a field in which SOLEIL has played a pioneering role. See details: <https://www.synchrotron-soleil.fr/fr/emplois/ingenieure-electronicienne>

Sincerely,

The SCIPAC Management Committee