



BOLETÍN FNUC

Publicaciones

UMC-PET: a fast and flexible Monte Carlo PET simulator, P. Galve et al., Physics in Medicine & Biology, 69, 035018 (2024). [Link](#)

Recent advances in combined Positron Emission Tomography and Magnetic Resonance Imaging, P. Galve et al., Journal of Instrumentation 19 C01001 (2024). [Link](#)

Anuncios

Permanentes

DOE-NP: program manager in nuclear structure & nuclear astrophysics

The U. S. Department of Energy (DOE) Office of Science, Office of Nuclear Physics (NP), Research and Division, Germantown, MD will soon be seeking applications for a Program Manager in Nuclear Structure & Nuclear Astrophysics (Physicist, GS 1310-14/15). The successful candidate will establish objectives and provide leadership and direction for this program with national and international scope and impact. They will manage and coordinate all aspects of a broad range of experimental nuclear structure and nuclear astrophysics research that supports the NP mission. The position announcement will be posted on USAJOBS ([Link](#))

Tenure-track Assistant Professor position at Mississippi State University

Mississippi State University (MSState) has a unique opportunity to hire a tenure-track Assistant Professor focusing on building a research program at the Facility for Rare Isotope Beams (FRIB) in low-energy nuclear physics or nuclear astrophysics. This position is in the first cohort of FRIB Experimental Bridge Faculty positions and aims at growing the local nuclear physics group at MSState while expanding the research profile at FRIB. The position is expected to start for the beginning of the Fall Semester 2024, subject to candidate availability.. More info: [Link](#)

Associate Professor in Applications of Particle and Nuclear Physics for Health in Nantes

Subatech carries out applied research into the interaction of radiation and particles with matter, focusing on the production of innovative radionuclides for diagnosis and therapy in nuclear medicine, dosimetry studies for radiobiology and non-conventional radiotherapy such as flash therapy, and ion beam analysis. Subatech masters liquid xenon detection technology for the direct detection of dark matter, and is applying this technology to 3-photon medical imaging in the context of the XEMIS2 project. More info: [Link](#)

CNRS tenure track position opened at IPHC, Strasbourg

We are pleased to announce that a CNRS tenure track position is opened in our team (DNR nuclear data for reactors, <https://iphc.cnrs.fr/en/research/subatomic-research-drs/dnr-nuclear-data-for-reactors/>) at IPHC (<https://iphc.cnrs.fr/en/laboratory/>), Strasbourg, France. This contract offers a dedicated financial environment and includes teaching activities in a higher education institution. This position is offered on a fixed-term contract (CDD) under public law for a period of 3 to 6 years. After evaluation of the scientific value and professional aptitude by a tenure commission, it will allow access to a tenured position in the CNRS Research Directors' corps. More info: [Link](#)

Postdocs**Postdoctoral Scholar in low-energy nuclear structure group at the University of Kentucky Accelerator Laboratory**

The Chemistry Department in the College of Arts & Sciences at the University of Kentucky in Lexington, KY is seeking a postdoctoral scholar to work with the low-energy nuclear structure group at the UK Accelerator Laboratory (UKAL). Most of the research will be performed at the university's 7 MV Van de Graaff accelerator facility, however, project travel to larger facilities such as TRIUMF and HIγS to perform complementary experiments is also anticipated. More info: [Link](#)

Postdoc position at Hospital La Fe and IFIC

We are seeking a postdoctoral researcher to work on an exciting project for 1.5 years (possibly continued through requested projects) to enhance the precision in radionuclide dosimetry. The candidate will carry out clinical dosimetry based on SPECT and PET images for beta-particle emitters and investigate the possibility of Compton camera images for dosimetry beyond beta-particle emitters. This post will work closely with the medical physicists and physicians involved in radionuclide treatment at the hospital La Fe and with the researchers developing the high spatial and energy resolution Compton camera (MACACO III) at the IFIC (High Energy Physics Research Center). More info: [Link](#)

PostDoc in Nuclear Chemistry at Lawrence Livermore National Laboratory

Lawrence Livermore National Laboratory has an opening for a postdoctoral researcher in Nuclear Chemistry. More info: [Link](#)

Doctorado**PhD position in laser spectroscopy at GANIL**

The Super Spectrometer Separator (S3) facility at GANIL-SPIRAL2 will extend the capability of the facility to perform experiments with radioactive nuclei produced with extremely low cross sections, taking advantage of the very high intensity stable beams of the superconducting linear accelerator of SPIRAL2. The focus of S3 physics in the field of nuclear physics is the study of nuclei from medium-heavy mass at the proton drip line up to the super-heavy elements produced by fusion-evaporation reactions. The goal of this PhD project is to work on the commissioning plan and the first experiment of the S3 Low Energy Branch. More info: [Link](#)

PhD and Post-doc positions in connection with NNRC

We have just announced several PhD and Post-doc positions in connection with The Norwegian Nuclear Research Centre. More information: [Link](#)

Congresos, reuniones, escuelas

Training in Neutron Techniques (TNT)

We are pleased to announce the 3rd edition of the Training in Neutron Techniques (TNT) on Small Angle Scattering and Reflectometry that will take place in San Giovanni in Valle Aurina (BZ, Italy) from 16th to 21th of June 2024. Training in Neutron Techniques is a three-year cycle of advanced schools in neutron scattering organized in collaboration with the Società Italiana di Scienze Neutroniche (SISN) and covering the topics of Diffraction and Structural Imaging (1st edition - 2022), Inelastic Scattering (2nd edition - 2023) and Small Angle Scattering and Reflectometry (3rd edition -2024). The Schools are open to Graduate and PhD students, Post-Docs and young researchers working in scientific disciplines as Biology, Chemistry, Earth Sciences, Material Sciences, Physics, Sciences for Cultural Heritage Conservation, and similar. More info: [Link](#)

57th Zakopane Conference on Nuclear Physics

We are pleased to announce the forthcoming 57th Zakopane Conference on Nuclear Physics entitled “Extremes of the Nuclear Landscape” which will take place in Zakopane, Poland during the week of August 25th – September 1st, 2024. The conference is organized by the Henryk Niewodniczański Institute of Nuclear Physics of the Polish Academy of Sciences (IFJ PAN), Kraków. More info: [Link](#)

Town Meeting: Nuclear Physics Long Range Plan 2024

We would like to invite you to attend the upcoming NuPECC Long Range Plan 2024 Town Meeting, which will take place in Bucharest, Romania, from April 15th (noon) to 17th (noon), 2024. The aim of this meeting is to bring together the Nuclear Physics community in Europe to discuss the long-range perspectives in our field and decide how best to develop it in the next ten to fifteen years. A draft of the LRP2024 Report and its Recommendations will be presented and discussed during the meeting. More info: [Link](#)

7th International Workshop on Compound Nuclear Reactions and Related Topics

The 7th International Workshop on Compound Nuclear Reactions and Related Topics (CNR*24) will be held on 8 - 12 July 2024, at the International Atomic Energy Agency Headquarters in Vienna, Austria. More info: [Link](#)

First IANNA-IReNA Workshop on New Reaction Rates for Nuclear Astrophysics

The first IANNA-IReNA workshop on new reaction rates for nuclear astrophysics will be held June 9-11, 2024 at the University of Notre Dame. More info: [Link](#)

TALENT/ECT* DTP School 2024: Nuclear theory for astrophysics

A new edition of the TALENT Course 7: Nuclear theory for astrophysics will be held at the ECT* (Trento, Italy) from 15 July to 2 August 2024. It will provide the attendees with high level training on nuclear physics and nuclear astrophysics from various perspectives that include the Equation of State (EOS), neutron star mergers, and supernovae –and their combined impact in spearheading the brand new era of multi-messenger astronomy. The key lecturers will be Almudena Arcones, Bruno Giacomazzo, and Jorge Piekarewicz, as well as other experts in the various fields of relevance to the school. More info: [Link](#)

Workshop of Fission Studies with Rare Isotope Beams

Nuclear fission is a challenging and complex many-body process. Its understanding and description is important for understanding properties of nuclei and nuclear matter, astrophysical processes, and nuclear technologies in the field of nuclear energy, defense, and homeland security. The wide range of rare-isotope beams available at FRIB can be exploited to improve the nuclear structure underpinning the theoretical efforts focused on fission, as well as the dynamics. A range of experimental techniques can be used to study fission of rare-isotopes (e.g. transfer-induced fission studies, fusion-fission, direct reactions with fission products, etc.), and this workshop will focus on opportunities for such studies at FRIB. More info: [Link](#)

TRIUMF Summer Institute 2024

The deadline for applications for the TRIUMF Summer Institute 2024, "Modern Tools for Nuclear Reactions" (<https://tsi.triumf.ca/2024/>), to be held August 11-17, 2024 in Vancouver (Canada) is approaching! Interested students and postdoc are encouraged to apply at [Link](#) before March 1st, 2024 with a short support letter from their supervisor. Accepted students will be informed by March 15. The number of participants is limited to 40.

17th International Surface X-ray and Neutron Scattering Conference

This is a second announcement of the 17th International Surface X-ray and Neutron Scattering Conference, hosted by the ESRF and ILL on the EPN campus in Grenoble, France from 15th - 18th July 2024. Registration and abstract submission is now open on the conference web page: [Link](#). Please note that the conference will be followed by a symposium in honour of John W. White on July 18th and 19th on the same campus.

PRISMAP School of Radionuclide Production at KU Leuven

We are thrilled to announce the upcoming PRISMAP School of Radionuclide Production, scheduled to take place from May 27th to May 31st. This school offers a comprehensive overview of radionuclide production, a fundamental aspect of radiopharmaceutical development. The radionuclide production is the cornerstone of radiopharmaceutical manufacturing, governed by various physical and technical intricacies. At our school, we will revisit the basics, always keeping the ultimate goal in sight, to gain a deeper understanding of navigating the evolving landscape of medical radionuclides. This school presents an invaluable opportunity for young researchers, primarily PhD candidates, postdocs, and advanced Master's students, interested in the field of radionuclide production. Those with an interest in their medical applications will find particular value in the discussions. More info: [Link](#)

FAIRNESS2024: Second Circular and Call for Abstracts

FAIRNESS2024 (8th International Workshop for young scientists with research interests focused on physics at FAIR) will be held in Seget Donji, in Croatia, at the Hotel Medena. More info: [Link](#)