



## BOLETÍN FNUC

### Publicaciones

#### **Production of hypernuclei from antiproton capture within a relativistic transport model,**

Alexander Schmidt, Theodoros Gaitanos, Alexandre Obertelli, and José Luis Rodríguez-Sánchez, The European Physical Journal A, 60, 55 (2024)

### Anuncios

#### Permanentes

##### **Job announcement from CENS IBS Korea**

Center for Exotic Nuclear Studies (CENS, <https://www.ibs.re.kr/cens/>) at Institute for Basic Science (IBS), South Korea, is seeking creative, dynamic candidates who can join and help the Center grow by leading experiments and theoretical studies on exotic nuclei, data analysis, and development of detectors. Two senior researcher and three postdoctoral research associate positions are open at this time. More information: [Link](#)

##### **Lecturer/Reader in Nuclear Physics - Edinburgh**

The School of Physics and Astronomy is seeking to appoint an excellent candidate to a full-time, open-ended academic position within the Edinburgh Nuclear Physics Group. The ideal candidate will have a strong academic track record and proven leadership potential in any area of nuclear physics research. [Link](#)

#### Postdocs

##### **Postdoctoral position in theoretical nuclear physics at the University of Zagreb**

The Department of Physics, Faculty of Science, University of Zagreb seeks a talented Postdoctoral Fellow (2 years, full-time) to join theoretical nuclear physics group. The successful candidate will conduct innovative research of nuclear processes and reactions relevant for astrophysics, in the framework of relativistic nuclear energy density functional. Interested candidates should apply before May 3, 2024 by submitting the application to direct link (sign up first): [Link](#)

**Post-doctorate position at Legnaro National Laboratory of INFN on Climate Change**

Research theme: "Adaptative responses of marine species to climate change by monitoring isotopic ratios.". Applicants should provide, before 26-04-2024, the following documents through the web site: [Link](#) inserting the reference number 26578: Curriculum Vitae, Publication list, a copy of a valid identity document (ex. Passport). Applicants can also indicate: names and email of two reference persons which can provide, before 26-04-2024, two letters of reference.

**Postdoc position within SHIPTRAP project at GSI**

We have a two-year postdoc position open within the SHIPTRAP project at GSI. For further details follow this link: [Link](#)

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**Simulación de reactores nucleares y ciclos de combustible nuclear en CIEMAT**

We are opening a ~3 years research contract at CIEMAT for a young researcher related to advanced reactor design and nuclear fuel cycles. After some training period, the following activities will be carried out: Neutronic design of advanced nuclear systems. Studies using Monte Carlo simulation of new designs for advanced transmuter reactor concepts (MYRRHA), Generation IV reactors such as the "European Sodium Fast Reactor," and small modular reactors (SMR). Development of simulation and analysis tools. Study of optimized management strategies for high-activity radioactive waste present in irradiated nuclear fuel. Sensitivity analysis and uncertainty propagation in reactor calculations. Some additional aspects of the call can be found here: [Link](#). Anyone interested please contact Daniel Cano ([Link](#)) or Francisco Álvarez ([Link](#)) for further details. The application will have to be submitted on-line, via CIEMAT's web portal: [Link](#)

## Doctorado

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**PhD positions at the University of Liverpool**

We are delighted to announce several PhD positions in the QUASAR Group at the University of Liverpool, UK. The deadline for applications is 30 April 2024. These are fully funded positions, and most are open to international students, see projects for details and eligibility rules. More information about the positions: [Link1](#) [Link2](#) [Link3](#)

## Oferta doctorado en IMB-CNM

The Radiation Detectors Group at the Microelectronics National Center (IMB-CNM) located in Barcelona, Spain, is offering a grant to realize a Ph. D. in Physics working on Low Gain Avalanche Detectors for Advanced Proton Tomography in Oncological Proton Therapy. To apply, candidates are invited to contact: Dr Celeste Fleta ([Link](#)), or Dr Pablo Fernández ([Link](#)). Applications must include a curriculum vitae, academic records and a confidential letter of reference. Documents must be submitted as PDF files. Selected candidates will be contacted by May 2024.

## Otros

### Senior Data Acquisition Scientist R&D at GSI/FAIR

The Nuclear Reaction Division at GSI/FAIR is responsible for setting up and performing experiments at the Reactions with Relativistic Radioactive Beams (R<sub>3</sub>B) setup, within the Nuclear Structure Astrophysics and Reactions (NUSTAR) GSI/FAIR scientific pillar. The advanced Data Acquisition (DAQ) system for NUSTAR/R<sub>3</sub>B has been developed over the last decades from a few hundreds of channels in one Cave to a distributed system with about a factor of 1000 more channels, outlined in the NUSTAR DAQ Technical Design Report. The operation and maintenance of these systems should be overseen by a Data Acquisition Scientist R&D to be hired as soon as possible. You can expect to work in a concise local team embedded in a large international collaboration of about 250 highly skilled and qualified scientists and engineers on all levels. You will receive a comprehensive introduction and internal training. If you find this position interesting and challenging and would like to work in an exceptional, international, strongly technical environment, please send your full application documents, including the desired salary, with information of your earliest possible starting date with the above posting number 24.48-1240 by 31st of May 2024 at the latest via the online portal on our job site: [Link](#)

## Congresos, reuniones, escuelas

### Workshop on Direct measurements of neutron reactions on radionuclides (DIMER)

The workshop will take place at the Hilton Santa Fe Historic Plaza, Santa Fe, NM, USA, September 16-19, 2024. If you want to participate, please register at your earliest convenience, but no later than September 1, 2024. Please consult the workshop website ([Link](#)) for the most up-to-date information.

### Joliot Curie School Announcement and pre-inscription

We are happy to announce that the École Joliot Curie 2024 edition, which will be held from September 8 to 13 2024 in the Isle of Oléron-France, will cover the topic of the radiations applications to biology and health. The title of the school is : “Radiations for Health” and will allow us to cover the exciting fields of the innovative radiotherapies, the medical imaging adapted from nuclear and high-energy experiments, the new radioisotopes for imaging and therapy, the fundamental aspects in radiobiology and the simulation and modeling. More information and pre-inscription on [Link](#)

**20th International Conference on Electromagnetic Isotope Separators and Related Topics (EMISXX 2025)**

Please save the date: the 20th International Conference on Electromagnetic Isotope Separators and Related Topics (EMISXX 2025) will take place from October 19 - 24, 2025 at the Fairmont Chateau in Whistler, Canada. The conference will be hosted by TRIUMF, Canada's particle accelerator centre. As per its tradition, EMISXX 2025 will bring together researchers from across different fields, working on electromagnetic separators and related nuclear science. Our next communication, which will detail the EMISXX 2025 call for abstracts and other available conference details, is anticipated in summer 2024. More information: [Link](#)

**Hadron in Nucleus 2025 (HIN25)**

The International workshop on 'Hadron in Nucleus 2025 (HIN25)' will be held in Kyoto University, Kyoto, Japan on April 2nd to 4th, 2025, as a satellite workshop of the Hadron2025 in Osaka University. A supplementary remote connection will also be provided. More information: [Link](#)

**3rd Santa Cruz School on Multi-Messenger Astrophysics**

We are organizing the 3rd Santa Cruz School on Multi-Messenger Astrophysics, which will take place from July 13 to 22, 2024 at the University of California, Santa Cruz, USA. The school web site is now open: [Link](#). We cover the local costs of the participants and provide bus transportation to/from SFO, so the costs are just the transportation to SFO.

**PLATAN conference registration**

Please note the approaching deadline(s) for the PLATAN conference registration, available on our website at [Link](#). We also wish to advise participants when booking their accommodation, that another event in Jyväskylä begins on the final day of the conference (14th June). We have booked a block of rooms in two hotels (see website for details), which are held until the beginning of May. Other hotels are available; however, we recommend searching for dates which would include a checkout on Friday 14th, with a potential Friday evening in Helsinki if travel would be on a Saturday.