



# BEYOND THE STANDARD MODEL OF WEAK INTERACTION: nuclei, neutrons, neutrinos

## SECOND CIRCULAR

May 2023

This year's edition of the *École Joliot-Curie* will propose seven courses:

- The Standard Model of Weak Interaction – M. González-Alonso
- Beta Decay – A. Falkowski
- Nuclear Transitions to Search for Physics Beyond the Standard Model – N. Severijns
- The Quest for the Electric Dipole Moment of the Neutron – G. Pignol
- Precision Measurements of Neutron Beta Decay – T. Soldner
- Neutrinoless Double Beta Decay Searches – A. Zolotarova
- Beta Decay and Reactor Antineutrinos – M. Fallot

which will be completed by an opening on neutrino astrophysics, as a window to New Physics (C. Volpe).

Abstracts of the courses are available at:

<https://ejc2023.sciencesconf.org/resource/page/id/3>

One of the objectives of this year's edition is to highlight the common features in the three communities of nuclei, neutron and neutrino physics which search for New Physics in the weak sector using beta decay. Special attention has been paid to have strong links between the different courses, which will each rely on one another.

All details about pre-registration are available at:

<https://ejc2023.sciencesconf.org/>

We hope to welcome you at La Vieille Perrotine, on the Oléron island, for this exciting tour Beyond the Standard Model!

The Organizing Committee.