

NuPECC Long Range Plan 2024

M. Lewitowicz^{1,2}

¹ GANIL, BP 55027, 14076 Caen, France

² NuPECC

The Nuclear Physics European Collaboration Committee (NuPECC) [1] hosted by the European Science Foundation represents today a large nuclear physics community from 22 countries, 3 ESFRI (European Strategy Forum for Research Infrastructures) nuclear physics infrastructures and ECT* (European Centre for Theoretical Studies in Nuclear Physics and Related Areas), as well as from 4 associated members and 9 observers.

The Committee, as one of its major activity, organises regularly a consultation of the community leading to the definition and publication of a Long Range Plan (LRP) for European nuclear physics. To this aim, NuPECC has in the past produced five LRPs: in November 1991, December 1997, April 2004, December 2010 and November 2017 [2]. The LRP identifies opportunities and priorities for nuclear science in Europe and provides national funding agencies, ESFRI and the European Commission with a framework for coordinated advances in nuclear science in Europe. It serves also as a reference document for the strategic plans for nuclear physics in the European countries.

NuPECC published in February 2022 an assessment of the implementation of the LRP 2017 [1] which summarises achievements in nuclear science and techniques resulting from the LRP recommendations.

In May 2022, NuPECC took the decision to launch the process of creating a new Long Range Plan for Nuclear Physics in Europe with the aim of publishing the document in 2024 [3]. With the intention of strengthening the bottom-up approach that has always played an important role in its LRPs, NuPECC has opened a call for contributions to the next LRP describing the view of collaborations, experiments, or communities on the key topics for the next 10 years to be included in the upcoming LRP. All 153 received and validated community contributions are now posted at a dedicated NuPECC Web page [4] and are being analysed by the ten Thematic Working Groups (TWG). The TWG are also in charge of:

- organization of the open to the community kick-off meeting of TWG and of following working meetings,
- preparation of the contribution to the LRP report related to the TWG which should include proposed recommendations,
- reporting on progress made by the TWG in front of the Steering Committee (SC), NuPECC and the community at the Town Meeting to be organized in 2024.

A draft of the LRP recommendations elaborated by the LRP SC in collaboration with the TWG Conveners is expected to be available for the consultation with the whole community in the end of 2023.

The Steering Committee of the LRP2024, supervising the whole process, and all NuPECC members encourage active participation of the whole community in the elaboration of an ambitious and achievable strategic plan for the future of European nuclear physics.

References

- [1] <https://nupecc.org> .
- [2] <https://nupecc.org/pub/lrp17/lrp2017.pdf> .
- [3] <https://nupecc.org/?display=lrp2024/main> .
- [4] https://nupecc.org/?display=lrp2024/call_for_input .