

Nuclear Physics in Europe: Challenges and Perspectives

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The physics with Radioactive Ion Beams (RIB) and very high intensity stable-ion beams (SIB) is entering into a new area thanks to next generation RIB and SIB facilities, already in operation or under construction in Asia, North America and Europe. The presentation will focus on future plans of European nuclear physics. A content and importance of the recent NuPECC Long Range Plan [1] and the major European nuclear physics infrastructures will be presented with an emphasis on a role played by scientific program of ISOL facilities. Interplay between nuclear, particle and astroparticle physics will be shortly discussed in the context of the 2018-2020 update of European Strategy for Particle Physics [2].

[1] <http://www.nupecc.org/lrp2016/Documents/lrp2017.pdf>

[2] <https://europeanstrategyupdate.web.cern.ch>

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