

Seminar general

Neutron-rich nuclear systems. Recent results from the RIBF, Japan



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Rare isotope facilities have given access to the neutron-rich side of the nuclear landscape. In this Seminar General, recent experimental results from the Radioactive Isotope Beam Facility of RIKEN, Japan, regarding the most neutron-rich accessible nuclear systems will be presented, in particular the recent observation of a correlated system of four free neutrons [1] and the evolution of the neutron shell structure in neutron-rich medium mass nuclei [2,3].

[1] M. Duer et al., Nature 606, 678 (2022).

[2] R. Taniuchi et al., Nature 569, 53 (2019).

[3] M. Enciu et al., Phys. Rev. Lett. 129, 262501 (2022).

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The Conference Room of the Hadron Physics Department