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Stability of light neutron rich nuclei

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Exploring and understanding the structure of the most neutron-rich nuclei is a primary goal of present day nuclear physics: this activity is due to advent of the RIBF and are driven by interest to understand better the interaction between the neutrons and the dynamics of neutron-proton unbalanced unstable nuclei.

In this presentation I will present an overview of our recent studies on exotic neutron rich nuclei at verge or beyond the stability. Possible existence of exotic narrow resonant states in $4n$, $4H$ - $7H$ nuclei will be discussed.

Primary author: LAZAUSKAS, Rimantas (IPHC Strasbourg, France)

Co-authors: HIYAMA, Emiko (Tohoku University); Dr CARBONELL, Jaume (IJCLab Orsay)

Presenter: LAZAUSKAS, Rimantas (IPHC Strasbourg, France)

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