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Structure of neutron-rich hypernuclei

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Recently, we have new data on neutron-rich hypernuclei, such as $nn\Lambda$ and ${}^7_{\Lambda}\text{He}({}^6\text{He}+\Lambda)$. Especially, in ${}^7_{\Lambda}\text{He}$, it is planned to search experiment of new excited states at JLab, which is expected to be resonant state. Then, it is requested to study these hyper nuclei to treat bound state as well as resonant states. Here, I will report the level structure of these two hypernuclei.

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