

Precision spectroscopy of pionic atoms at RIBF

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An established approach for quantitative investigation of the partial restoration of chiral symmetry in finite density is study of deeply bound pionic atoms. We are planing to perform spectroscopy of pionic atoms via (d,3He) reaction at RIBF. In the next experiment using several tin isotopes as a target, we are intended to evaluate quantitatively density dependence of the quark condensate.

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