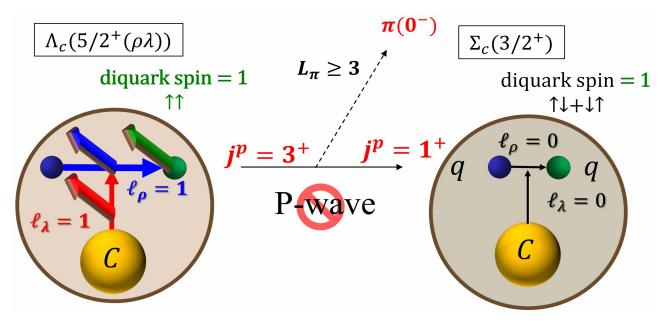
hadron production, decay and mass spectrum

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Selection rule for the heavy baryons decay coming from the heavy quark spin conservation.

The main purpose of our studies is to understand and clarify the variety of hadron properties from view point of symmetries. We study recently the nature of hadrons as composite particles of quark and/or hadrons by investigating its production, decay rate, and energy spectrum, especially for heavy baryons. We also study the in-medium properties of hadrons by making use of meson-nucleus bound systems, namely, mesic-nuclei. By doing so, we can understand the properties of hadron from another axis of density, which cannot be reached by observing the hadrons in vacuum.

Keywords : Mass generation of hadrons, partial restoration of chiral symmetry, meson nucleus bound systems, hadron decays