

Hadron physics at J-PARC

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One of the main goals for the hadron physics is to understand the effective degree of freedom (EDoF) in hadron and reveal its interactions.

Spectroscopy of ground state and excited state of baryons will give us hints to understand the EDoF of hadron and testing property of known meson / baryon, such as mass and decay width, inside baryonic matter will give us unique information on the interaction between EDoF and QCD vacuum.

In this presentation, I will discuss the goal of the hadron physics and summarize experimental programs planned at J-PARC.

In addition, I will introduce future direction of hadron physics and possible experimental programs which will be performed at J-PARC.