



東北大学 宇宙創成物理学国際共同大学院プログラム

GP-PU (Graduate Program on Physics for the Universe) Seminar

“Lecture on the structure of pentaquarks”

by Hyun-Chul Kim

(Inha University)

Time and Date : 13:00 - 15:00, Wed Aug 18th 2021

Zoom registration :

<https://us02web.zoom.us/meeting/register/tZEqf-GuqT8jGNVrRIfuNypZWj0QWQSFYrn>



Abstract:

In the present lecture, I firstly review a brief history of the pentaquarks, which consist of four quarks and one anti-quark. Secondly, I explain several possible theoretical methods for the description of the light and heavy pentaquarks. Finally, I suggest one very important experiment to measure the light pentaquark Θ^+ at the J-PARC, using the kaon beam. Having listened to this lecture, students can understand the basic but important physical implications of both the light and heavy pentaquarks.

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