

ELPH seminar

*Research Center for Electron Photon Science
Tohoku University*

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東北大学 CYRIC

日時： 5月23日 (火) 15:00~16:30

場所： 電子光理学研究センター三神峯ホール

題目： Cluster structure in atomic nuclei, especially about alpha cluster structure

[Abstract]

Cluster structure in atomic nuclei has been studied for a long time since the discovery of the alpha decay. However, there are still many hot topics, for example, triple alpha reaction rate at high temperature, cluster appearance around the surface of heavy nuclei, and alpha-particle condensed states. Many experimental and theoretical efforts are devoted to study various clustering phenomena.

In this seminar, several results on the above topics will be briefly introduced, and I will especially discuss the present situation of alpha-particle condensed states in self-conjugate nuclei.

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