

ELPH seminar

*Research Center for Electron Photon Science
Tohoku University*

ELPH seminar

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講師： Prof. Tomasz SKWARNICKI

(College of Arts and Sciences at Syracuse University)

日時：令和2年1月20日（月） 14：30～15：30

場所：電子光物理学研究センター 三神峯ホール

題目：Exotic Baryons

概要：

The LHCb experiment observed pentaquark structures in $J/\psi p$ system from Λ_b decays to $J/\psi p K$ in the Run 1 data. Thanks to the Run 2 at LHC, and due to improved selection criteria, a ten-fold increase in number of the reconstructed Λ_b decays was achieved last year. This shed more light into these structures with discovery of three narrow pentaquark states. I will discuss the relation of the old and new LHCb pentaquark results. Theoretical models proposed for the explanation of these pentaquark states will be reviewed. Future experimental prospects will also be discussed.

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新学術領域「量子クラスターで読み解く物質の階層構造」共催

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