



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 セミナー

"Theory of quarkonium electromagnetic transitions"

by Antonio Vairo

(Technische Universität München)

Time and Date : 10:00 - 12:00, Mon June 17th 2019

Venue : Room 745, Science Complex B (H-03)

Abstract:

Electromagnetic transitions are the main decay channels for many excited quarkonium states, therefore among the most measured effects in quarkonium physics. Recent experiments have dramatically improved their knowledge and led to discoveries and new precision determinations. The theory of quarkonium electromagnetic transitions relied for long time on potential models. This has changed in the last years with the establishing of effective field theories of QCD for quarkonium. Effective field theories provide model independent determinations. I will review this modern approach and its principal results in comparison with some of the latest measurements.

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