



Center for Accelerator and Particle Physics
at
Illinois Institute of Technology
and
Physics Division, BCPS Department

JOINT COLLOQUIUM

“A Perspective on Past and Future Physics with Neutral and Charged Kaon Decays”

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Abstract

The study of both neutral and charged Kaon decays has provided a wealth of physics results over the last 60 years, from the discovery of CP violation to fundamental parameters that tested the validity of the Standard Model of Particle Physics. A series of new experiments that will be capable of studying both charged and neutral decays of the Kaon is under preparation. With a high statistics study of these kaon decays, the NA48 experiment expects still further advances and even the prospect of searching for physics beyond the standard model.

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