Joint DESY and University of Hamburg Accelerator Physics Seminar

Tuesday, August 21-st, 2007

(16:00 in Room 459/30b)

Electron cloud effects in KEKB and ILC

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Abstract

Electron cloud instabilities have been observed at the KEK–Photon–Factory already 20 years ago. Studies on the electron cloud effects for KEKB have been started in 1995. Many observations have been made at KEKB in its operation from 1999 to present. Recently electron cloud effects at the ILC damping ring have become an important subject for the ILC. A review on electron cloud effects, starting with the observations at KEK-PF, and on studies for the ILC damping ring will be presented.

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