Joint DESY and University of Hamburg Accelerator Physics Seminar

Tuesday, July 11, 2006

(16:00 in Room 459/30b)

The E166 experiment — polarized positrons for the ILC

Jan Kovermann

RWTH Aachen

Abstract

The E166 experiment at SLAC is a proof-of-principle experiment for a new type of positron source. A helical undulator delivers circular polarized photons which are then converted into polarized positrons by pair production in a thin target. This talk will show the main principle of the experiment and then focus on positron polarimetry and its preliminary results.

D.P.Barber (MPY), J.Rossbach (Univ. HH) and M.Vogt (MPY).

Visit our web site at `http://www-mpy.desy.de/AccPhySemDESY/`