Joint DESY and University of Hamburg Accelerator Physics Seminar

Tuesday, February 22, 2005

(16:00 in Room 459/30b)

SLAC's Polarized Electron Source

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Abstract

This talk will report on the Polarized Electron Source installed at SLAC's main linac. The discussion includes the laser systems used to illuminate the photocathode installed in SLAC's 200 kV DC polarized e–gun. Also, the performance of the source during the recent polarized beam experiment is summarized. We will also discuss efforts in the area of polarized cathode development and future plans for polarized source development at SLAC.

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