Joint DESY and University of Hamburg Accelerator Physics Seminar

Thursday, May 28-th, 2009

(15:30 in Room 459/30b)

LCLS and Cavity Beam Position Monitors

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Abstract

FEL operation of the Linac Coherent Light Source (LCLS) at SLAC requires alignment of the electron beam to the photon beam to a few micron tolerance over the laser gain length in a 130 meter undulator. I will describe resonant cavity beam position monitors (BPMs) used here, their construction, performance, beam–based alignment and LCLS commissioning news.

NOTE THE UNUSUAL DATE AND TIME

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