

**Status of the PEP-II B -Factory High Energy Ring** \*,  
E. REUTER, U. WIENANDS for the PEP-II High Energy Ring Team, SLAC - The 9 GeV High Energy Ring (HER) of the PEP-II *B* Factory is an electron storage ring under construction at SLAC. Significant progress has been made in the last year on all systems. As of late 1995, all 192 dipoles have been installed with installation of the quadrupoles beginning. The vacuum system, for design currents up to 3 A average, is in production using a recently commissioned e-beam welder. Beam instrumentation systems are being designed. The interaction region will bring the HER beam into collision with the 3 GeV beam of the Low Energy Ring; design of this section of the HER is in an advanced stage at the end of 1995. This paper will present the status of construction and outline recent technical decisions. Recent results of prototype testing, details of the interaction straight section and of continuing accelerator physics work will also be addressed.

\* Work supported by US Dept. of Energy under contracts DE-AC03-76SF00515, DE-AC-76SF00098, DE-AC03-81-ER40050, W-7405-Eng-48, DE-AS03-76ER70285.