

New e Injection Scheme with Fast Stripe Kickers for HERA, J. RUEMMLER, DESY - A new injection system with two additional optikickers, whereby bunches, spaced by 96 ns, may consecutively injected has been installed. The kickers are constructed to have a field rise smaller than 85 ns. In contrast to the existing kicker beam bump methode, which is based on radiation damping. The fast kicker system minimises coherent oscillations after injection. Betatron oscillations, create by a different energy between PETRA and HERA are minimised. This injection scheme allows more stable operation of the transverse feedback system and stack higher beam currents, because coherent amplitude are generally redused. This report describes the injection system and the technology of the fast stripe kickers and pulsers.