

Beta-matching and Damping Observation by SR Monitor in ATF DR, Y. HASHIMOTO, H. HAYANO, K. KUBO, M. MUTO, T. NAITO, J. URAKAWA, KEK - An SR monitor by using a fast gate camera can observe the turn by turn beam profile. The oscillation of the envelope exhibits the twice of betatron frequency and the amount of the amplitude indicates a beta-mismatch. The optimization of the injection condition can be done by using the SR monitor. The injection condition also affects to the damping of the beam. The observation of the damping phenomena from the injection to the equilibrium at ATF damping ring is reported.