

Beam Development in ATF Damping Ring,
K. KUBO, KEK (for ATF collaboration) - The Accelerator Test Facility (ATF) at KEK is a test accelerator for future linear colliders. Its purpose is to test the feasibility of the production and diagnostics of multibunch beams with extremely low transverse emittance. The beam operation of the damping ring started in January 1997 as an international collaboration. While installations and improvement of many components has been continued, the main target so far is to produce low emittance beams with single bunch operation. The status of the recent beam experiment, methods and results of the beam tuning and diagnostics will be reported.