

Preliminary Orbit Measurement for Beam-Base Alignment, F.Q. ZHANG, Graduate Univ. for Advanced Study; H. FUKUMA and K. ENDO, KEK - A part of the excitation current of a quadrupole magnet is shunted through the electronic shunt circuit, then the closed orbit receives the perturbation due to the current reduction. If this method is repeatedly applied to all quadrupoles, the transverse misalignment can be obtained by taking the orbit difference before and after applying shunt. The preliminary orbit measurement for the beam based alignment (BBA) method was made for the TRISTAN-AR ring to see the validity of this method. The BBA data will be compared with the traditional survey data.