

Magnet Measurements for the KEK B-factory,
K. EGAWA, M. MASUZAWA, KEK - The KEK B-factory is a high-luminosity electron-positron machine scheduled to be commissioned this fall. It is important to carry out accurate magnetic measurements in parallel with production in order to check the quality of the magnets. Rapid feedback is given to the production line if a magnet does not satisfy the specifications. In the KEK B-factory rings (LER and HER) will be installed 250 dipole magnets (half of which are recycled TRISTAN magnets), 900 quadrupole magnets (one-third of which are recycled TRISTAN magnets) and 200 sextupole magnets. About 70% of the magnets have been measured as of the beginning of this year. A flip-flop coil system is used to measure the dipole magnets and a harmonic coil system is used for the quadrupole and sextupole magnets. The preliminary results will be presented.