

The New BPM System and Its Commissioning at PF Ring, K. HAGA, T. HONDA, T. KASUGA, T. OBINA, M. TADANO, KEK - The new beam position monitor (BPM) system was installed in the brilliance-upgraded Photon Factory (PF) storage ring. It was designed to enable precise and fast position measurements to correct the closed orbit distortion (COD), as well as to feed back the orbit position during the user-runs. There are 42 BPMs newly installed, amounting to a total of 65 BPMs. All of the new BPMs are calibrated on the test bench, and the measured electrical offsets are typically 200 micron. In the commissioning of the new BPM system, resolution and stability of this system are measured.