

**Measurement and Control of Linear Coupling in the PLS Storage Ring** \*, T. LEE and M. YOON, Pohang Accelerator Laboratory, Pohang University of Science and Technology, Korea - Linear coupling coefficient is measured in the PLS storage ring by driving the operating tunes across the coupling resonance. The measured coupling coefficient is 0.9 below the design value 10 by using four skew quadrupole circuits wound on sextupoles. Beam lifetime change due to coupling is also measured and shown to be strongly dependent in the case of the PLS with 180 bunches out of 468 and 1.2 MV RF voltage.

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