

Lattice Function Measurement using Turn-By-Turn BPM Data, M.J. YANG, FNAL - The Fermilab Tevatron lattice function was measured during the last Collider operation when it was at Low-Beta configuration and during the Fixed Target operation when it was at resonance extraction configuration. Both measurements were done using only the Turn-By-Turn Beam Position Monitor data and produced result which are in good agreement with calculation. The method is unique in its ability to perform consistency checking and to derive from data the lattice function and more.