# Joint DESY and University of Hamburg Accelerator Physics Seminar

## Tuesday, July 4, 2006

**(16:00 in Room 459/30b)**

## A New Coupling Correction Algorithm for the TEVATRON

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**Abstract**

The Fourier analysis of Turn by Turn (TBT) data provides valuable information about the machine linear and non-linear optics. A program for the measurement and correction of the linear coupling based on the TBT data analysis has been integrated in the TEVATRON control system. The new method is fast, allows the measurement of the coupling during acceleration and offers information about the sum coupling coefficient and the location of the sources of coupling.

**Sorry for the late announcement**

D.P.Barber (MPY), J.Rossbach (Univ. HH) and M.Vogt (MPY).

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