



Contribution ID: 27

Type: **not specified**

Long-term Variation of the Magnet Alignment of SPring-8 Storage Ring

Thursday 16 September 2010 11:50 (20 minutes)

The operation of the SPring-8 was started in July 1997. From thence, the observations of the variations of magnet alignment are executed at regular periods.

This paper concludes twelve years measurements. It is verified that the alignment of the magnets is very stable and the deteriorations were small. And, the deteriorations become estimated after several year observations. Meanwhile, for large scale survey of accelerator, there always is measurement bias because of measurement error. The biases make it difficult to compare individual measurements. Attempt was made to take away the bias from measurement by means of average and extract magnet deviations.

Primary author: ZHANG, C. (Japan Synchrotron Radiation Research Institute)

Co-author: MATSUI, S. (Japan Synchrotron Radiation Research Institute)

Presenter: ZHANG, C. (Japan Synchrotron Radiation Research Institute)

Session Classification: D4, S2, Long Term Monitoring, Ground Motion, Vibration

Track Classification: ground motion, long term monitoring, vibration