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The magnetic error correction of SAPS storage ring based on ELEGANT script in AT code

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The correction of storage ring magnetic errors typically requires the use of multiple programs. However, there are generally differences in the correction results between different programs. We may perform error correction in one program and then continue with other tasks in another program, which requires us to accurately achieve the conversion of the lattice between different programs after correction. Based on the elegant script, we have successfully performed the error correction for the SAPS storage ring using the AT code to address this issue.

Footnotes

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Asia

Primary author: CHEN, Jianliang (Chinese Academy of Sciences)

Co-authors: LIU, Weihang (Institute of High Energy Physics); ZHAO, Yu (Institute of High Energy Physics); WANG, Sheng (Institute of High Energy Physics, CAS); JIAO, Yi (Institute of High Energy Physics)

Presenter: CHEN, Jianliang (Chinese Academy of Sciences)

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