Contribution ID: **1063** Contribution code: **WEPM030** Type: **Poster Presentation**

Characterization of the fast corrector dynamic response at the HEPS

Wednesday, 10 May 2023 16:30 (2 hours)

In this paper, the dynamic response measurement of fast corrector at the High Energy Photon Source (HEPS) is reported. The measurement system for the fast corrector of the HEPS is based on a flat coil with high cut-off frequency. Both amplitude-frequency response and step response are measured. The measurement results indicate that the open-loop bandwidth of the fast corrector is higher than 5 kHz.

Funding Agency

Footnotes

I have read and accept the Privacy Policy Statement

Yes

Primary authors: HUANG, Xiyang (Chinese Academy of Sciences); LIU, Peng (Chinese Academy of Sciences); SUN, XianJing (Institute of High Energy Physics)

Co-authors: CHEN, Fu-San (Institute of High Energy Physics); LONG, Fengli (Chinese Academy of Sciences); JIAO, Yi (Institute of High Energy Physics); WEI, Yuanyuan (Institute of High Energy Physics); HUO, Lihua (Institute of High Energy Physics)

Presenter: HUANG, Xiyang (Chinese Academy of Sciences)

Session Classification: Wednesday Poster Session

Track Classification: MC7: Accelerator Technology and Sustainability: MC7.T09: Room Temperature Magnets