

International Workshop on Accelerator Alignment



Contribution ID: 32

Type: **not specified**

Research Development of Vibrating Wire Alignment Technique for HEPS

HEPS(High Energy Photon Source) is a proposed 5GeV third generation light source with 50pm emittance at IHEP.The alignment tolerance for a string of quadrupoles and sextupoles on a 5.4 meters girder is 30 micrometers. To achieve the high precision requirements, the vibrating wire alignment technique will be used to align several magnets installed on the long girder. The method is based on measurement of magnetic axis. This report will introduce the research work has been done.

Primary author: Ms WU, Lei (Institute of High Energy Physics, Chinese Academy of Sciences)

Co-authors: Ms LI, Chunhua (Institute of High Energy Physics); Mr WANG, Xiaolong (ihep); Prof. QU, huamin (ihep)

Presenter: Ms WU, Lei (Institute of High Energy Physics, Chinese Academy of Sciences)