

Beam Position Measurement and Control at the CSNS Target

Tuesday, 12 November 2019 10:30 (1h 30m)

The target is a key part of the CSNS facility, which bears the average beam power of 100KW to 500KW. Beam position on the target must be strictly controlled to avoid damage to the target. The target imaging system can give the position and size on the target, but it is difficult to observe the signal in single shot mode and it become insensitive over time. In this paper, we propose to estimate the beam position on target by BPMs and multi-wire scanners on RTBT, which plays an important role during beam commissioning.

Primary author: Mrs LI, Yong (IHEP)

Co-authors: Mr YUAN, Yue (IHEP); Mr LI, Zhiping (IHEP)

Presenter: Mr YUAN, Yue (IHEP)

Session Classification: Poster Session