

Design and fabrication of Button BPM prototypes for HALF

The Hefei Advanced Light Facility (HALF) is a 4th generation low energy diffraction-limited synchrotron radiation light source currently under construction in China. The storage ring contains 240 sets of button electrode type Beam Position Monitor (BPM) probes for orbit measurement and feedback. To select the most suitable probe manufacturer, five identically designed button electrode probe prototypes were delivered to five different companies both domestically and internationally for parallel processing. This talk will introduce the basic situation of the HALF project as well as the processing and testing of the button electrode prototypes.

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