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High-quality feedthrough developments for beam detectors

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Feedthroughs have been used for different accelerator detectors, such as BPM, BAM, CBPM, ACCT, and the RF cavities etc.. that are used to test the beam properties and RF cavity signals. For this purpose, large bandwidth with low transfer loss is required. The long-life and high-stability are also needed. The SMA-type and N-type feedthroughs are developed. The bandwidth of the SMA-type is up to 20 GHz, and that of the N-type up to 13 GHz with low transfer loss. Those feedthroughs have used in the strip-BPM, button-BPM, and CBPM etc..

Footnotes

Funding Agency

I have read and accept the Privacy Policy Statement

Yes

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