



Contribution ID: 1528 Contribution code: WEPG03

Type: **Poster Presentation**

The RF BPM pickup and feedthrough testing results in the lab and SR for APS-U

Wednesday, 22 May 2024 16:00 (2 hours)

The BPM feedthroughs were manufactured and tested at the vendor and the APS lab. All feedthroughs were sorted in groups of four according to their capacitance. Four feedthroughs with close capacitance were welded to the housing in an assembly. The assemblies were measured in the APS lab to confirm their electrical performance acceptable and their x/y offsets were calculated according to VNA data. After the BPM assemblies were installed in the SR, they were measured again to verify their connections. The x/y offsets including the cables were compared with the previous data and will be used as the reference in beam commissioning. The testing results at the vendor, APS lab and APS-U SR were analyzed.

Footnotes

Funding Agency

Work supported by the U.S. Department of Energy, Office of Science, under Contract No. DE-AC02-06CH11357.

Paper preparation format

Word

Region represented

North America

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Session Classification: Wednesday Poster Session

Track Classification: MC6: Beam Instrumentation, Controls, Feedback, and Operational Aspects: MC6.T03 Beam Diagnostics and Instrumentation