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Results of HESR BPM testing

Tuesday, 10 September 2024 16:00 (1h 30m)

For the HESR diagonally cut BPMs were designed, with 64 manufactured and tested with a purpose-built BPM test-stand. This test-stand had to host BPMs of various lengths, the overall length of the complete vacuum system varies from 450 mm to 1585 mm. For all BPMs several properties, e.g. the geometric factors or the electrical center in relation to the geometric center, were measured utilizing the test stand. The results of these measurements will be presented together with the challenges resulting from the design choices made for the layout of the test stand.

Footnotes

Funding Agency

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Yes

Primary author: BOEHME, Christian (Forschungszentrum Jülich GmbH)

Co-authors: HALAMA, Arthur (GSI Helmholtzzentrum für Schwerionenforschung GmbH); KOCH, Guenther (GSI Helmholtzzentrum für Schwerionenforschung GmbH); KAMERDZHIEV, Vsevolod (GSI Helmholtzzentrum für Schwerionenforschung GmbH)

Presenter: BOEHME, Christian (Forschungszentrum Jülich GmbH)

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