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Recent High-Gradient Results with Cold-Copper and Distributed-Coupling Structures

Thursday, 25 July 2024 15:15 (15 minutes)

In this talk we will present results from high gradient structure testing of single, multi-cell and meter-scale accelerating structures. Structures were tested with a variety of fabrication techniques including brazing, diffusion bonding and clamped plated structures. Target gradients of 120 MeV/m were achieved and exceeded. Designs and performance of rf components (loads, windows, etc.) for these tests will also be discussed. Plans for future experiments will be presented.

Working group

WG4 : Novel structure acceleration

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