

Radio Frequency Characterization and Alignment to the Nanometer Scale of a Beam Position Monitor for Particles Accelerators

Wednesday 22 March 2017 08:55 (25 minutes)

The talk gives an overview of the main achievements presented in my doctoral dissertation, defended at the University of Pisa on January 2017. The focus is on the RF characterization of the cavity BPM designed for the CLIC Test Facility (CTF3). The experimental results on the Final PACMAN Alignment Bench (FPAB) prove the feasibility of the innovative alignment methodology established in the context of the PACMAN project, locating the electromagnetic displacement between the quadrupole and the attached BPM in a micrometric range.

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Session Classification: Microwave Technology