

HL-LHC BPM development

As part of the High Luminosity upgrade of the LHC, 52 new stripline and button BPMs as well as 38 collimators with embedded button BPMs will be installed. This requires production of various types of button electrodes and RF feedthroughs for both cryogenic to high-temperature environments. This contribution will present the design, manufacturing challenges and testing procedures for the buttons and feedthroughs.

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