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C1Po1F-04: HL-LHC RF dipole crab cavities validation at TRIUMF

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The High Luminosity (HL-LHC) upgrade of the Large Hadron Collider at CERN is an example of large-scale international scientific cooperation which spans multiple international partners. Canada through TRIUMF is making an in-kind contribution to the project with the delivery of five crab cavity cryomodules. The cryomodules will be delivered to CERN by 2026 for installation in the LHC. TRIUMF will receive the RF dipole (RFD) crab cavities from a consortium of US DOE labs. The cavity validation procedure at TRIUMF prior to cryomodule installation and our initial results are discussed in this paper.

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