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Projected performance of CMS Cathode Strip Chambers at HL-LHC

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Cathode Strip Chambers (CSC) are a crucial component of the CMS endcap muon system which will operate throughout the lifetime of the LHC and beyond, during the HL-LHC running. We present an analysis of the expected CSC performance in a HL-LHC like environment as well as studies of CSC detector longevity over the lifetime of the HL-LHC.

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