

LS2 Overview of LHC Beam Instrumentation

During the LHC second long shutdown (LS2), most of the beam instruments in the LHC were updated and consolidated to cope with the higher brightness and intensity of the injected beams and prepare for the future High-Luminosity LHC. An overview on the major hardware and software changes carried out through LS2 is given, highlighting the first results achieved during the 2021 pilot beam tests and the expected performance and limitations of those instruments for Run3.