

Forward physics program with CMS at the LHC

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Forward physics with CMS at the LHC covers a wide range of physics subjects, including very low- x QCD, underlying event and multiple interactions characteristics, photon-mediated processes, shower development at the energy scale of primary cosmic ray interactions with the atmosphere, diffraction in the presence of a hard scale and even MSSM Higgs discovery in central exclusive production. The status of the forward detector instrumentation of CMS, and the preparations for analysing the first LHC data will be discussed.

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