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## Proton

The forward proton detectors are new detectors introduced during LHC Run 2 by the CMS collaboration and are used to reconstruct scattered protons that emerge intact from the proton-proton interaction. In this exercise, we will learn about the process of proton reconstruction and its application in analysis, following the latest recommendations provided by the Proton Object Group.

Throughout this exercise, participants will use the nanoAOD data/MC samples with CMSSW, obtain analysis ntuples with proton objects, and make validation plots from the obtained ntuples using Jupiter notebook.

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**Session Classification:** POG exercises