

Anomalous coupling studies with forward protons at the LHC

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Content

We will discuss the sensitivities at the LHC to quartic anomalous couplings. We measured diphoton, WW, ZZ, gamma Z and t tbar exclusive event production via photon exchanges in the CMS detector and detect the intact protons in the final state in TOTEM. The sensitivity to anomalous couplings and thus to axion-like particles is increased by two to three orders of magnitude with respect to other methods.

Primary author(s) : Prof. ROYON, Christophe (University of Kansas)

Presenter(s) : Prof. ROYON, Christophe (University of Kansas)

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