

Quartic anomalous coupling studies using intact protons at the LHC

Saturday 20 July 2024 09:24 (18 minutes)

We discuss the sensitivity to quartic $\gamma\gamma\gamma\gamma$, $\gamma\gamma WW$, $\gamma\gamma ZZ$, $\gamma\gamma t\bar{t}$ anomalous couplings at the LHC via photon-induced processes. Tagging the intact protons allow improving the sensitivities by two or three orders of magnitude with respect to standard methods. We also discuss the sensitivity to Axion Like Particles production.

Alternate track

I read the instructions above

Yes

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