

XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects



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Searches for quartic anomalous coupling at the LHC with intact protons

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We will discuss the sensitivity to quartic anomalous couplings between photons and W/Z bosons at the LHC using intact protons in the final state. This allows obtaining a negligible background for 300 fb^{-1} of data and improves the sensitivities to anomalous couplings by two or three orders of magnitude compared to standard methods. We will also discuss the sensitivity to axion-like particles that also improves by two orders of magnitude.

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