Abstract Submitted
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Quartic anomalous coupling studies at the LHC using intact protons CHRISTOPHE ROYON, Univ of Kansas — We will give the reach on quartic anomalous couplings between photons and W/Z bosons at the LHC using tagged protons in CMS and ATLAS in the PPS and AFP detectors. Detecting intact protons allows to obtain a background free sample for about 300 fb^{-1} allowing to increase the usual sensitivity to anomalous coupling by more than two orders of magnitude. We will also describe the possible reach on axion-like particles at high masses.

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