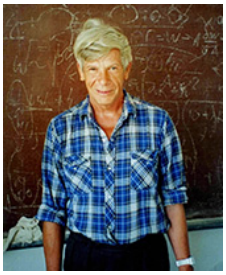

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Electroweak radiative corrections to dilepton production via photon fusion at LHC

Monday, 10 October 2022 17:35 (25 minutes)

One-loop electroweak radiative corrections to dilepton production in hadron collisions via photon fusion for Large Hadron Collider (LHC) experimental program are estimated, the most attention is paid to hard bremstrahlung. Discussed reaction follows the Drell-Yan process, its studying is the actual task of LHC experimental program. Detailed numerical analysis of electroweak radiative effects to observable quantities (cross sections and forward-backward asymmetry) in wide kinematical region including the CMS LHC experiment in Run3/HL regime corresponding ultra-high energies and dilepton invariant masses is performed.

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