

## Two-boson interactions in the color dipole approach at LHC ultraperipheral collisions

In the high energy limit, a boson has enough energy to fluctuate into a quark-antiquark pair, i.e., a color dipole, before interacting with the target. Therefore, the interaction between two bosons, such as  $\gamma$ ,  $W^\pm$ ,  $Z$  or  $g$ , can be studied through the dipole-dipole interaction. In this work, we investigate these interactions in ultraperipheral collisions and estimate the double vector meson production that can be measured at the LHC.

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**Track Classification:** Session 2: Two-photon physics