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Study of $W+\gamma$ events at the CMS with 7 TeV LHC data

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The measurement of the inclusive cross section for $W+\gamma$ production is presented based on 36 pb⁻¹ of data acquired with the CMS detector from 7 TeV LHC collisions in 2010. Comparisons are made with the predictions of the standard model. The W bosons are identified through their leptonic decays to electrons and muons. The $W+\gamma$ cross section is sensitive to anomalous triple-gauge couplings and hence this measurement probes physics beyond the standard model.

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