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W and Z studies at 8 TeV at CMS

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The production of W and Z bosons has been observed in pp collisions at a center-of-mass energy of 8 TeV using data collected in the CMS experiment. W events were selected containing an isolated, energetic electron or muon. Z events were selected containing a pair of isolated, energetic electrons or muons. Data-driven methods are used to estimate reconstruction and triggering efficiencies, and well as the main backgrounds. We present the W and Z signal yields and the extracted cross-sections at $\sqrt{s}=8$ TeV, as well as the ratio of 8 TeV / 7 TeV cross sections.

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