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## Measurement of the Z boson production differential cross section as a function of transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV

A measurement is presented of the Z boson production differential cross section as a function of Z transverse momentum. The sample of proton-proton collisions collected by the CMS experiment at the LHC at  $\sqrt{s} = 8$  TeV corresponds to an integrated luminosity of  $18.4 \pm 0.5$  fb<sup>-1</sup>. The Z bosons are identified via their decay to dilepton pairs. The measured cross sections are well described by theoretical predictions.

### Summary

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