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Electroweak precision measurements with the CMS detector

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Measurements of electroweak parameters with the CMS detector are reported. The effective electroweak mixing angle $\sin^2\theta_{\text{eff}}$ is extracted by measuring the forward-backward asymmetry in dilepton events near the Z boson mass region. Experimental and theoretical challenges needed for a high-precision W boson mass measurement are reported using a sample of $Z \rightarrow \mu\mu$ events.

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