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Elastic and Total Cross-Section Measurements by TOTEM: Past and Future

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The TOTEM collaboration at the LHC has completed its analysis of the elastic, inelastic and total proton-proton cross-sections (via the optical theorem) at $\sqrt{s} = 2.74$ TeV. The new measurement lies close in energy to the Tevatron's 1.8 TeV with its two slightly conflicting total cross-section results.

The presentation will put the new measurement in the context of completed, ongoing and future measurements at other energies.

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