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A Tale with precision

Half a century ago the foundations underpinning the gauge theories of the strong, weak and electromagnetic interactions had been laid out, and the age of precision calculations for its tests and the determination of its parameters could begin. We recall some of the history with an emphasis on the role played by electroweak precision tests. While in the past theoretical ideas have often preceded experimental discoveries, the years and decades ahead of us are in desperate need of experimental guidance.

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