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Status of the global electroweak fit with Gfitter in the light of new precision measurements

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We present results from the global fit of the Standard Model (SM) to electroweak precision measurements. The fit uses the latest theoretical calculations for observables on the Z pole and the W boson mass, yielding precise SM predictions for the effective weak mixing angle and the masses of the W and Higgs bosons, as well as the top quark. We study the impact of the latest measurements on the fit and provide comparisons of the resulting predictions for individual observables with recent measurements.

In-person participation

Yes

Primary authors: HOECKER, Andreas (CERN); HALLER, Johannes (University of Hamburg); KOGLER, Roman (DESY); STELZER, Jörg (CERN); MÖNIG, Klaus (DESY); SCHOTT, Matthias (University of Mainz)

Presenter: KOGLER, Roman (DESY)

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