



Family Dependence in 331 Models

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Using experimental results at the Z -pole, and considering the ansatz of Matsuda as an specific texture for the quark mass matrices, we perform a χ^2 fit at 95% CL to obtain family-dependent bounds to Z_0 mass and Z - Z' mixing angle in the framework of the main versions of 331 models. The allowed regions depend on the assignment of the physical quark families into different representations that cancel anomalies. Allowed regions on other possible 331 models are also obtained.

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