XIII Mexican School of Particles and Fields



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Mass spectrum and unification in a B-L extended standard model

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Abstract content

Summary

Gauging B-L symetry provides a simple realization of the seesaw mechanism that generates nuetrino masses in a naturally anomaly free extention to the Standard Model. However, as we discuss in here, it turns out that the simplest B-L extension of the standard model may change some of the conceptions about the path for gauge unification as well as to affect the predicted spectrum of the supersymmetric particles at low energy. We present our results for the running of gauge coplings constants and mass parameter in this context.

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