

Overview of World Underground Facilities

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Underground laboratory, especially deep underground laboratory has been very important and key platform for many rare events experiments such as dark matter direct detection, double beta decay, solar neutrino experiments, and the quite long-standing proton decay experiments, and so on. Most of these rare event experiments are the crucial approach to search for new physics above the Standard Model of particle physics. Many underground laboratories have been constructed in the last decades over the world and provided the underground spaces to run quite diversified science projects. Some of the experiments have achieved very important physical results.

Summary

This talk will introduce the recent development and prospects of the underground laboratories and the experiments run or planned therein. Some main parameters, characteristics and auxiliary facilities of these different underground laboratories will also be covered in this talk.

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