

26th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY2018)



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Clockwork theory and phenomenology

Thursday 26 July 2018 17:00 (20 minutes)

The clockwork mechanism is an elegant framework to generate exponential hierarchies in a theory with only $O(1)$ numbers to start with. I will present some of the recent theoretical and phenomenological developments, first introducing the mechanism by using dark matter as an example of clockwork model building, then discussing the robustness of the clockwork solution to the hierarchy problem and the possible origins of the clockwork in the UV from extra-dimensional constructions.

Parallel Session

Alternatives to Supersymmetry

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