

Phenomenology 2023 Symposium



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Constraining light dark Z with low-energy experiments

Monday 8 May 2023 14:45 (15 minutes)

In this talk, we will present a study on the effects of the dark Z model in current and future low-energy parity-violating experiments. In particular, we will give the constraints from electroweak pole observables, CEvNS, BaBar, and the future sensitivity for SoLID. We will also present a re-analysis of other existing or upcoming low-energy experiments, such as E158, Qweak, P2, MOLLER, and Atomic Parity Violation, among others.

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