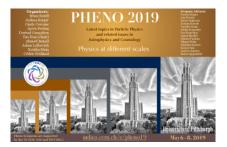
Phenomenology 2019 Symposium



Contribution ID: 760

Type: parallel talk

Charming asymmetry between matter and antimatter

Tuesday 7 May 2019 16:45 (15 minutes)

One of the conditions for creating a matter-dominated Universe is presence of interactions that differentiate between matter and anti-matter. Properties of such interactions can be probed at particle accelerators by studying decay patters of produced particles. On March 21, one of the CERN's experiments, the LHCb, announced observation of CP-violation in the decays of particles containing charm quark. I discuss theoretical implications of this important discovery, and why it took experimentalists such a long time to make this observation. I will also discuss why it would take even longer for theorists to discern it.

Summary

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