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Dark Matter from Strong CP: An Alternative View

Monday, 27 August 2018 09:00 (30 minutes)

Spacetime parity provides an important alternative to the Peccei-Quinn solution of the strong CP problem. Furthermore, it provides an understanding of why the Higgs quartic coupling is so small at very high energies. Two theories with parity restoration are discussed, one with precision gauge coupling unification and another with a new dark matter candidate. I discuss signals for a component of dark matter with colored constituents and for trace amounts of fractionally charged stable particles.

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