

Searching for a massless dark photon

Tuesday, 28 November 2017 10:00 (1 hour)

If dark photons are massless, they couple to standard-model particles only via higher dimensional operators, while the kinetic mixing with photons, which motivates most of the current experimental searches, is absent. We discuss a few processes that could be sensitive to the production of massless dark photons at present and future colliders, and at fixed-target experiments.

Presenter: MELE, Barbara (ROMA1)