ALPS2019 - Fourth Alpine LHC Physics Summit



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Search for light dark states with electromagnetic form factors

Wednesday, 24 April 2019 18:15 (15 minutes)

Light dark particles coupled to the electromagnetic current via higher-dimensional operators can be produced and searched for in various experiments and astrophysics. The talk will discuss relevant intensity frontier experiments with electron beams, as well as astrophysical and cosmological observations. The combination of all considered probes lead to stringent constraints on the electromagnetic form factors of such light dark states.

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