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Type: Poster

Semi-visible dark photons at the NA64 experiment

Thursday 15 June 2023 20:35 (5 minutes)

Beyond the minimal kinetically-mixed dark photon scenarios predicting fully visible and fully invisible mediator decays, next-to-minimal theories have been considered as compelling frameworks for thermal dark matter and some low-energy anomalies, as the muon $g-2$.

This talk will showcase the potential of the NA64 experiment in the exploration of rich dark sectors in which the dark photon is semi-visible. The NA64 invisible results have been re-interpreted in the context of two inelastic dark matter models to account for the different signal signature, entailing both missing energy and visible final states.

My contribution is about a project related to sustainability

No

Field of contribution

Particle physics

Limited flash talk slots

I would present a poster instead.

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