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【372】 Latest results of NA64 searching for Dark Sectors at the CERN SPS

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NA64 is a high-intensity frontier experiment running at the CERN SPS. NA64 searches for possible candidates of mediators between the dark sector and the standard model by looking for missing energy events in an active beam dump. I will present the latest results of NA64 running in electron mode setting constraints in the mass-coupling parameter space for the vector and the axion portals to the dark sector as well as for possible new generic bosons. This year we will resume data taking and aim to deliver an unprecedented sensitivity to new physics thanks to increased statistics, better detectors and improved setups.

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