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Status and prospects for Lorentz and CPT violation tests at KLOE and KLOE-2

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The neutral kaon system offers a unique possibility to perform fundamental tests of CPT invariance. In this contribution the status and prospects of the KLOE experiment for the tests of CPT and Lorentz symmetries in the context of the Standard Model Extension are presented. A new analysis method is described in detail with the perspective given by the KLOE-2 data-taking campaign.

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