# Tests of Lorentz non-invariance

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**Abstract**

The standard model of particle Physics does not allow any Lorentz violation but an extension to this theory allows it. Here we present tests of such Lorentz non invariance.

Here we present an experiment in which clocks are compared in in outer space to provide information about many unmeasured coefficients for Lorentz violation.

Further we talk about cosmic ray observations to detect anisotropies in space.

## 1 References

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3.Sidney Colleman et.al, arXiv-ph,9703240,1997