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## LISA Pathfinder last results

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The LIGO first detection officially opened the era of gravitational waves observation.

Few weeks ago, the LISA Pathfinder team published its last results in which it was shown that the residual force noise between two test-masses in a single spacecraft can be reduced and measured at the level required by LISA, the Laser Interferometry Space Antenna.

This result represents a milestone in the route to the low frequency gravitational wave observation.

In this talk, I will briefly report on these last published results, how they were obtained and what are the opened questions to be studied for the future which can impact on LISA.

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