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Progress towards the LISA orbiting observatory for gravitational waves

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LISA, the Laser Interferometer Space Antenna, is in preparation to become the ESA Cosmic Vision L3 mission, an orbiting observatory for gravitational waves in the milliHz band with a target launch in 2035. We present here an overview of the LISA measurement concept and baseline hardware, from the heritage of the single-spacecraft LISA Pathfinder flight test to the unique challenges of the full three-spacecraft LISA observatory.

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