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ET and the perspectives of GW detection

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After the groundbreaking first detection of Gravitational Waves by the LIGO/Virgo Collaborations, the design of the third generation of gravitation wave interferometric antennas has gained a substantial interest and momentum. The Cosmic Explorer in the US and the European Einstein Telescope are the instruments which will take the legacy of the current generation and further advance the reach of the GW antennas, both in terms of explored Universe and of type of accessible sources.

The talk will focus on the present status of the design of the Einstein Telescope, its technical challenges and the expected implications to the Gravitational Wave Astronomy progress.

Summary

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