

Gravitational wave detectors

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Abstract content

Since Einstein's prediction of gravitational waves in 1916, their detection has been one of the most challenging problems in physics. With the inception and the following advances of the gravitational wave interferometers operating at exceptionally low noise levels, the first direct observation of gravitational waves may become a reality in the next few years. In my talk I describe the existing and the future gravitational wave experiments, both terrestrial and in space. I'll discuss the detection techniques, detector networks and data analysis methods used in the emerging field of gravitational wave astronomy.

Summary

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