

Sources of Gravitational Waves in the deciHertz band

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The deciHertz band of the gravitational wave spectrum contains abundant sources of gravitational waves, including the inspiral of binaries of stellar-mass compact objects to the merger of intermediate black-hole binaries. The detection and study of the gravitational radiation emitted by these sources will have a strong impact in Astrophysics, Cosmology, and Fundamental Physics. Currently there are no experimental projects selected or in development to cover this band. All this makes ELGAR an interesting and timely project.

In this talk I summarize the sources of gravitational waves in the deciHertz band and its potential scientific impact.