

Abstract for an Invited Paper  
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**LISA: Detecting gravitational waves from space**

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The Laser Interferometer Space Antenna (LISA) is a proposed joint NASA-ESA mission whose goal is to detect low frequency ( $10^{-4}$  Hz to  $10^{-1}$  Hz) gravitational waves. Expected sources include binary stars in our galaxy, extra-galactic massive black holes, and possibly gravitational radiation left over from the big bang. In this talk, I will briefly describe the LISA mission and the science that LISA will be able to do with its observations.