



LIGO Hanford



LIGO Livingston

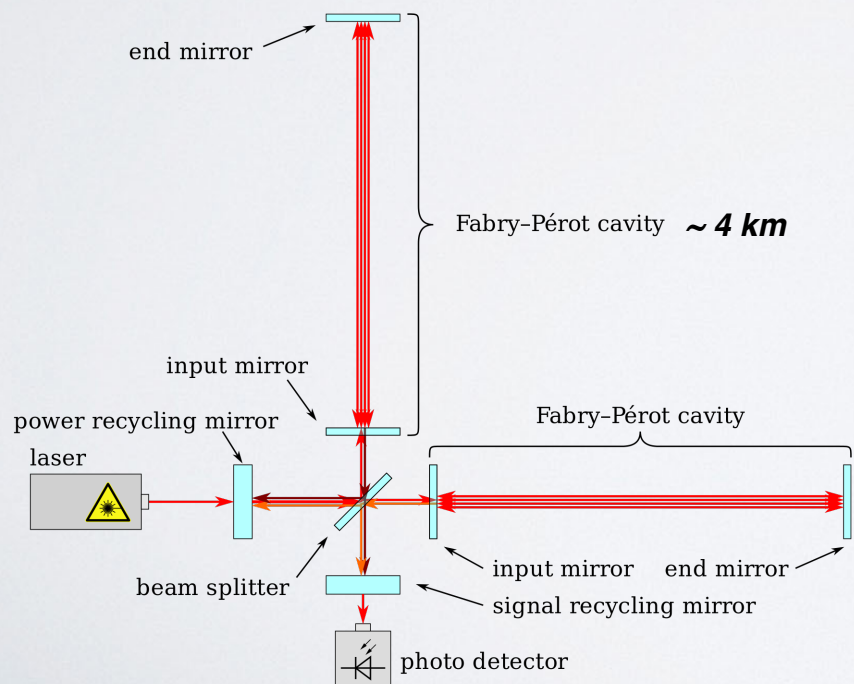


Fig.: Menner

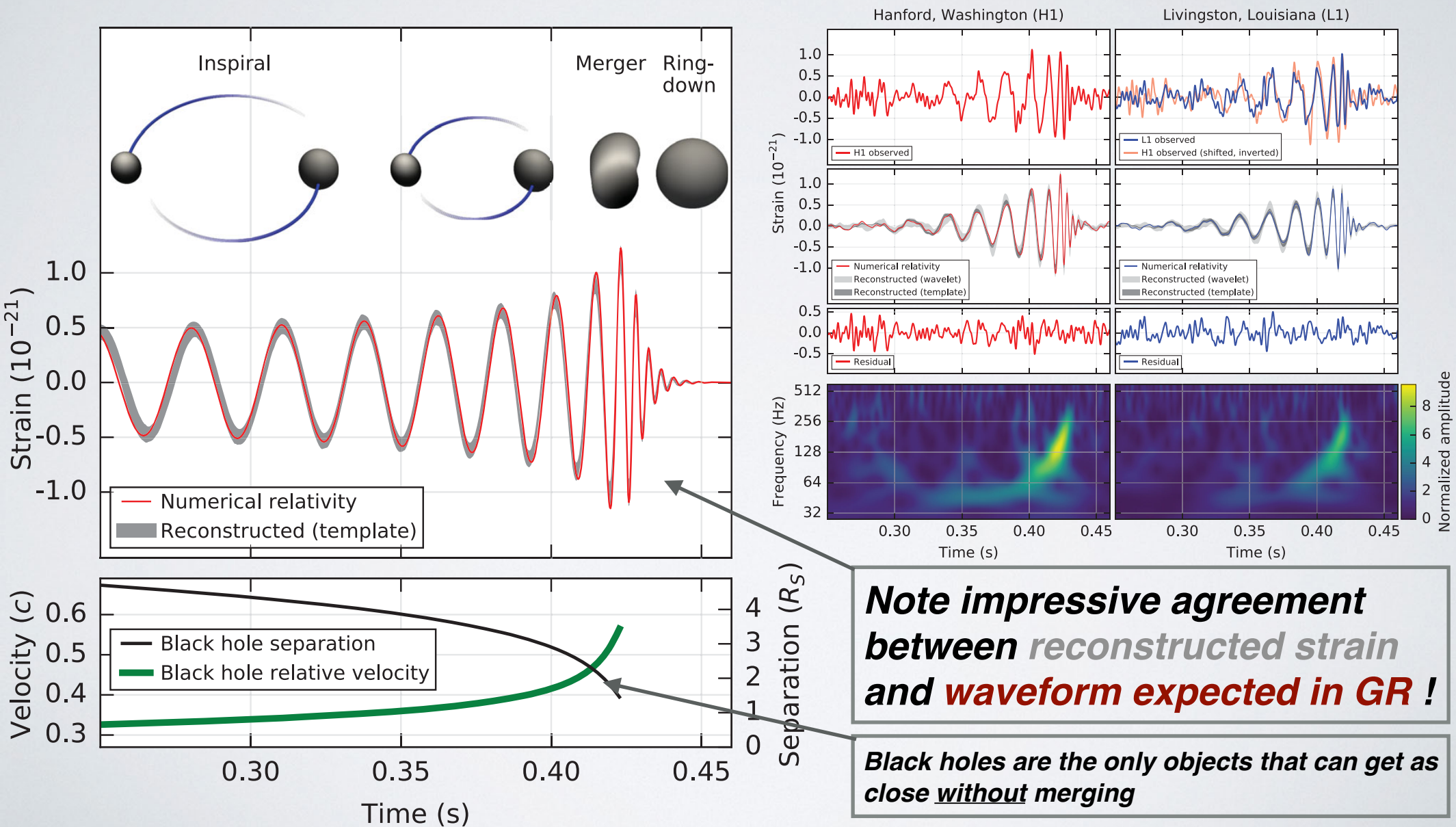


Observation of Gravitational Waves from a Binary Black Hole Merger

B. P. Abbott *et al.**

(LIGO Scientific Collaboration and Virgo Collaboration)

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SOUNDS OF SPACETIME

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LISTENING TO THE DARK SIDE OF THE UNIVERSE

AN AUDIO GUIDE TO UNDERSTANDING
GRAVITATIONAL-WAVE SIGNALS



MAX PLANCK INSTITUTE
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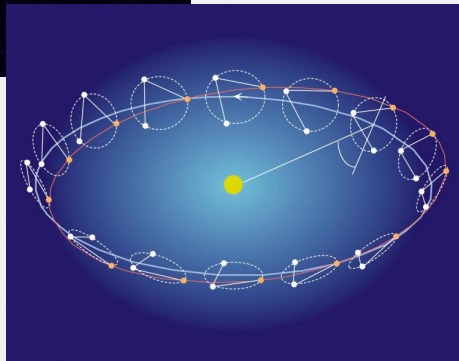
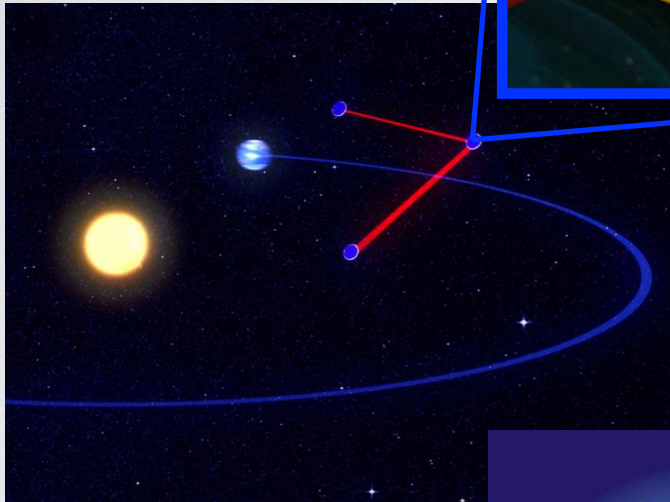
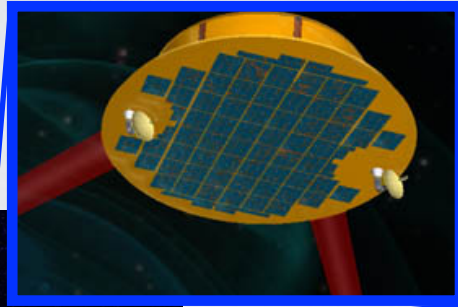
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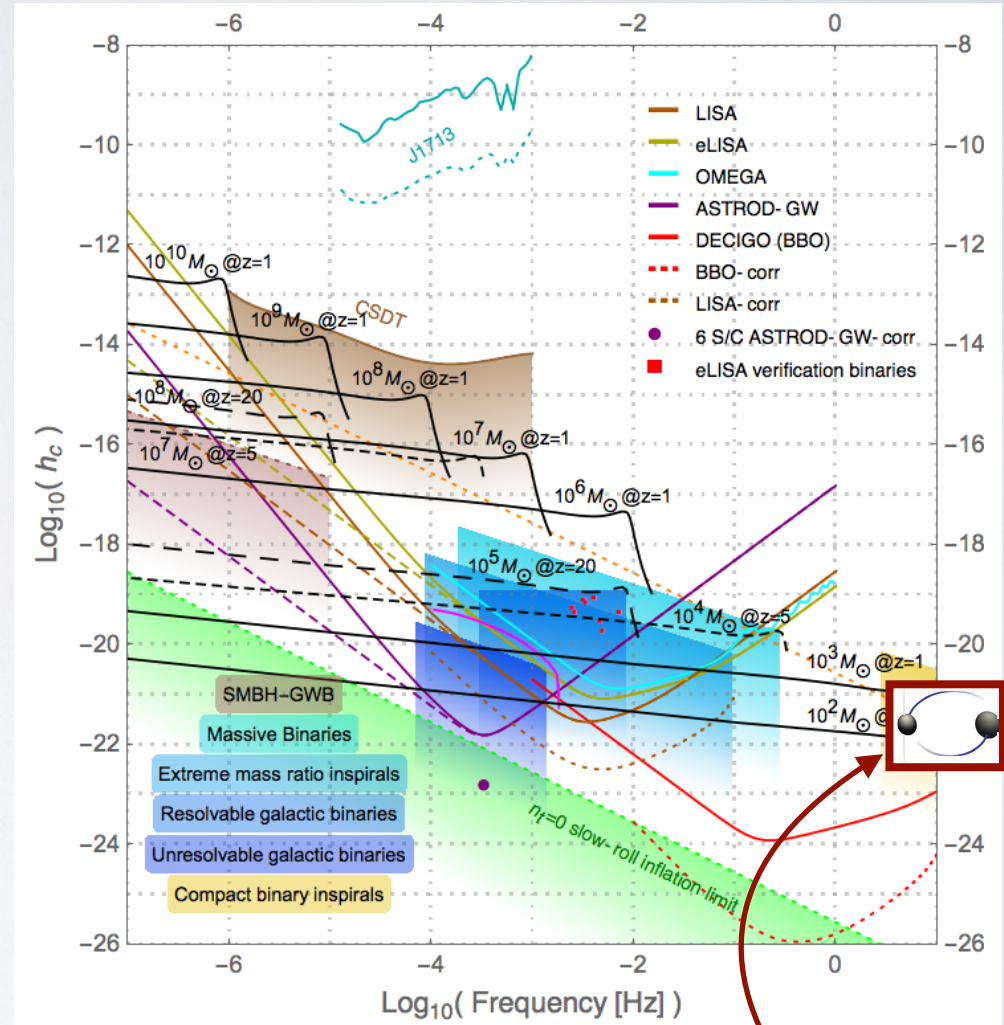


Next Steps? Going to Space!

LISA



- arm length of **1.000.000 km**
- center of triangle at 20° behind earth



review: Ni, 1610.01148

First LIGO event

Trailer...



Sub-Femto-g Free Fall for Space-Based Gravitational Wave Observatories: LISA Pathfinder Results

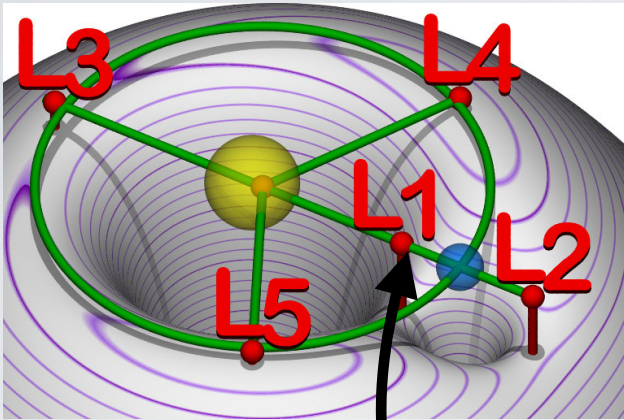


Fig.: Wikipedia

