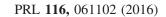


Fig.: Menner



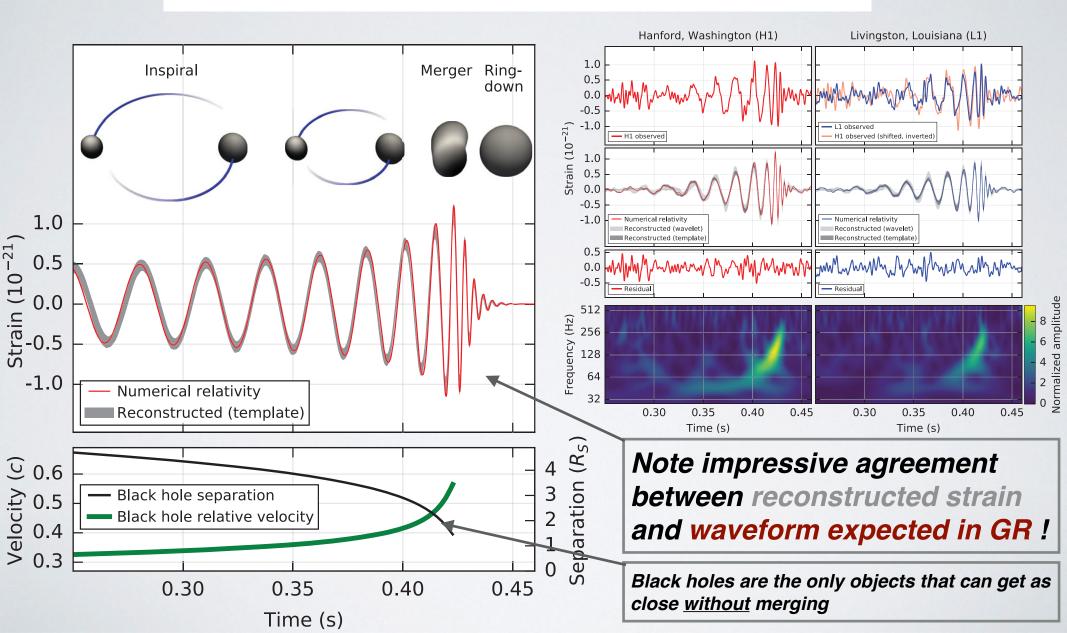
## Selected for a Viewpoint in *Physics* PHYSICAL REVIEW LETTERS

week ending 12 FEBRUARY 2016

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## **Observation of Gravitational Waves from a Binary Black Hole Merger**

B. P. Abbott *et al.*\* (LIGO Scientific Collaboration and Virgo Collaboration) (Received 21 January 2016; published 11 February 2016)



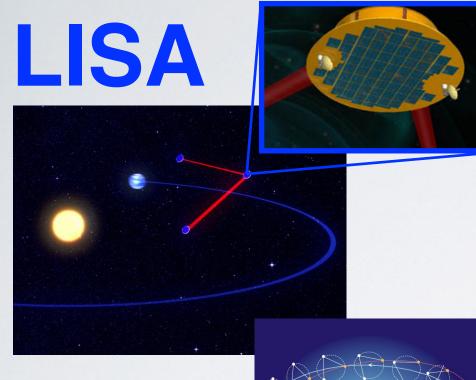
SOUNDS OF SPACETIME

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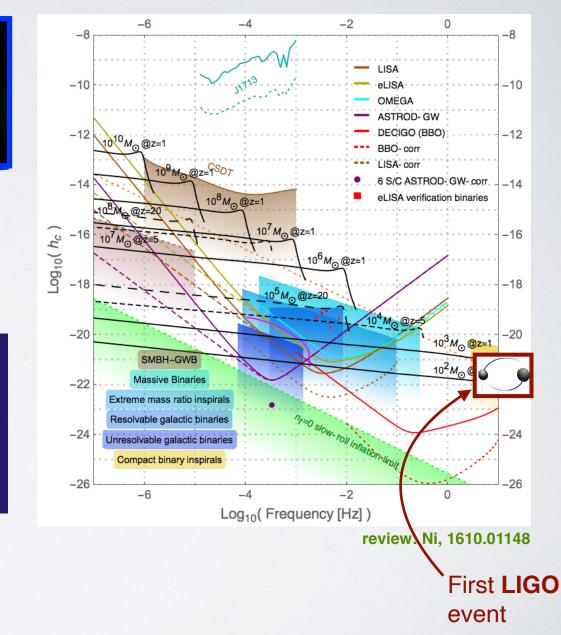




## Next Steps? Going to Space!



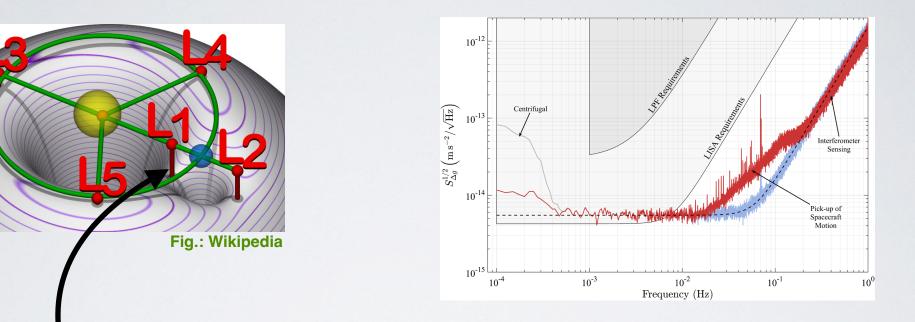
- arm length of
  1.000.000 km
- center of triangle at 20° behind earth



PRL 116, 231101 (2016)

week ending 10 JUNE 2016

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





## LISA — The trailer...