

## 28th Texas Symposium on Relativistic Astrophysics



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Type: **Talk**

### Late-time cosmology with eLISA

*Monday 7 December 2015 16:15 (20 minutes)*

In this talk I will consider the application of eLISA as a probe of the late-time cosmological expansion. In particular I will first review the concept of standard sirens and how these can be used to investigate the distant-to-redshift relation. I will then discuss the best strategies to obtain as many standard sirens as possible, taking into account what kinds of electro-magnetic counterparts could reasonably be detected and by which instruments. Finally, employing realistically simulated data, I will present the constraints we will be able to obtain on the cosmological parameters of LambdaCDM and dark energy models.

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